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Modern Machine Knitting

MARCH 1990

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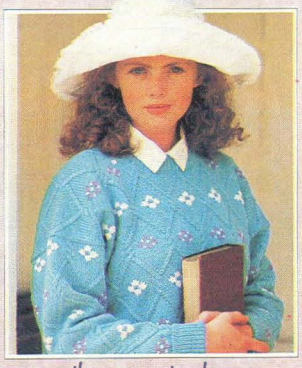

... the power to choose

KNITMASTER

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FROM THE EDITOR

So, who spotted the 'deliberate' mistake last month — or should I say who didn't? It's bad enough to write the wrong year on your cheques at the beginning of a new year but to do it on the front cover of a magazine is just too embarrassing for words! Still, if that's the only embarrassing mistake I make this year, I'll be very pleased.

Our selection of patterns this month gives you tremendous value for money. Take a look at the contents list to see just how many of them include exclusive new punchcard designs — some of then even include two or three! Your punchcard files should be bulging this month since all of these new designs will be ones you'll want to use on your own designs too. And, of course, I'm sure all of you who own electronics appreciate the fact that any new punchcard design can be used on your electronic too.

Last month we finished our 12 part 'Farmyard Collection' and because it was so very popular with you all, we're continuing in the same vein with our new series 'Knitting from Nature', Knitting from Nature will include a wide variety of popular animals, birds and creatures which really didn't fall into the Farmyard catagory. If you have any special requests, do let us know and we'll try to cover the more popular requests as well as some of our own ideas.

You're probably well aware by now how popular circular yoke sweaters are this Winter so we've not only included two circular yoke sweater designs for you this month, but we've also explained how to knit them and included some helpful pointers in case you think a circular yoke design is beyond your knitting capabilities — it's not. Read our explanation on pages 10 and 11 and then have a go — you'll surely surprise yourself.

See you next month with some wonderfully exciting news of a brand new knitting machine — I bet you can't wait now!

Laraine

Editor Laraine McCarthy.

Patterns Debbie Clarkson.

Fashion Sarah Pooley.

Knitting Clubs Stella Baines.

Additional Features Rosalie Davis, Jo Newton, Rosa Postance, Carol Didymus for Knitmaster, Debbie Townsend for Knitmaster

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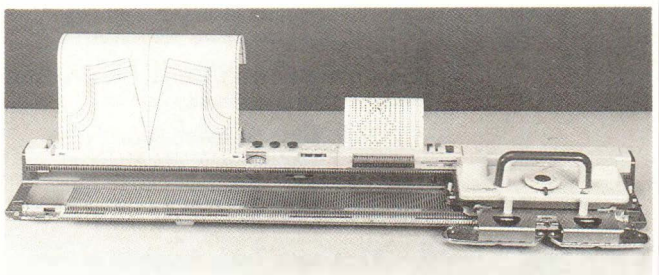

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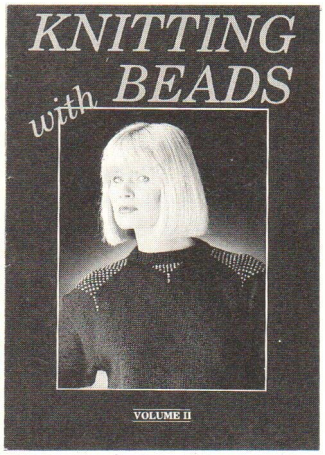


Knitting with Beads

A new publication now available is 'Knitting with Beads, Volume II'. Knitting with Beads includes 23 different beaded sweater designs which have all been based on one easy-to-knit basic sweater shape. Most of the designs include punchcard charts for new Fair Isle or Lace patterns as well as clear charts to show how and where to incorporate the beadwork. Also included are several beaded hat, bag and belt designs which can be used to co-ordinate with the sweater designs or as accessories in their own right. Full instructions are given for the knitting with beads. This full colour booklet costs £3.99 and is available from most good knitting machine shops or direct from:

B.S.K.
Murdock Road,
Manton Industrial Estate,
Bedford. MK41 7LE.

News for Needleworkers

AllSew-Knit has now opened its new Yardley branch, located at The Swan Centre. AllSew-Knit is like a paradise for needleworkers! The new branch stocks knitting machines from Knitmaster, Brother and Pfaff, in addition to all the top name sewing machines and overlockers.

AllSew-Knit, who have been established in the Midlands for over 25 years, have a well-deserved reputation for after sales service. The new branch in Yardley stocks a complete range of accessories and patterns, as well as some fabulous coned yarns. AllSew-Knit have their own team of qualified machanics, so repairs and service can be carried out locally. Each branch of AllSew-Knit is staffed by experts who have many years experience of using and teaching both knitting and sewing machines. The helpful and friendly staff are happy to demonstrate new products, and give specialist advice and help. Tuition is available on all knitting and sewing machines. Knitting clubs are welcome to visit by appointment, and are guaranteed a warm welcome, together with a cup of coffee.

Regular customers have the opportunity to preview new products as they become available, and AllSew-Knit have a regular programme of knitting and sewing seminars.

Make a note in your diary, and pop in to help AllSew-Knit celebrate the opening of their latest store at:

AllSew-Knit
1558 Coventry Road
Yardley
Birmingham
Tel. 021-708-2809

Weekend Courses

Missenden Abbey in Buckinghamshire includes two weekend courses for machine knitters in it's very varied range of courses.

16-18 March '90 — Machine Knitting with Confidence
This course is designed to help the student to use his/her machine with confidence. All machines are catered for and the course will cover many techniques, short cuts and easy methods. Students should bring their own machines.

13-15 July '90 — Creative Designer Machine Knitting
This is an experimental weekend course for students wishing to develop original and exciting ideas on even the most basic knitting machines. Students will learn how to design their own punchcards and will go on to produce a collection of co-ordinated samples with an emphasis on colour, surface stitches and textures. Students must be able to bring a single bed knitting machine and have a working knowledge of that machine.

For full details about Missenden Abbey and it's courses, write to:

Missenden Abbey,
Great Missenden,
Buckinghamshire
HP16 0BD.

Atari ST Computers

Puncher V2, the punch card designer for the Atari ST, is now the most comprehensive, flexible and easy-to-use machine knitting design software available for the ST. Here are some of the features:-

* Easy to use
* Suitable for any knttting machine
* Up to 200 stitches by 200 rows
* Up to 16 re-definable colours
* Proportion control of print out
*1:1.5 stitch ratio
* Image importation
* Colour substitution
* Pattern repeat

Puncher V2 can be used to produced designs for machines which use punchcard or mylar sheets as well as intarsia patterns. You have control over the exact width and height of each stitch when printed so your designs can be printed precisely the same size as your card or sheet. The size of your design can be anywhere between 1 and 200 stitches wide and 1 and 200 rows long.

Your design can include up to 16 different colours, each of which can be redefined to closely match any colour you might want. When you print your design, each colour is represented by a different symbol plus a key to show which colour is represented by each symbol.

Puncher V2 automatically takes in to account the 'distortion' which occurs in knitting so you don't have to worry about your picture or design being distorted when you knit it.

To use Puncher V2, you'll need any model of Atari ST computer with a colour monitor or television. To print your designs you'll need any Epson compatible printer.

Puncher Version 2.0 costs £18.50 inc p&p and is available direct from:-

Mark Lancaster,
84 Redfern Ave.,
Hounslow
Middlesex.
TW4 5LZ.

For Knitmaster Ribbers

'Learning to use your Knitmaster Ribber', Volume 2, by June Booth is now available. The lessons included in this video are as follows:-

Lesson 1 — Buttonholes
Lengthways band knitted in 1×1 rib with various buttonholes — from the very small to large buttonhole — with guidence on how to find the required length of the band. Also included is knitting a buttonhole in a sideways knitted ribbed band.

Lesson 2 — Ribbed & Pleated Skirts
Various rib settings together with various pleat settings for skirts. Also, how to knit a tension piece for skirts with advice on how to work out the correct skirt length and width from the tension piece.

Lesson 3 — Pocket
How to place a pocket while knitting on a full needle rib setting.

Lesson 4 — Punchcards
Using punchcards with the ribber, including pin tuck.

Lesson 5 — Racking Handle
Using the racking/swing handle to knit Swung English Rib, Herringbone Stitch and various other swing settings.

Lesson 6 — 'P' Carriage
How to use the 'P' Carriage to knit both Drive Lace and Punch Pile knitting.

Learning to use your Knitmaster Ribber', Volume 2, is available in VHS format and also the new SVHS sterio system for £39.95 direct from:

J & B Promotions,
19 Manor Road,
Shaw,
Oldham OL2 7JH
Tel. 0706-846050

THREE COLOURS IN A ROW

For punchcard machines
(Part 2)

For Knitmaster's 580 DesignMaster Electronic and PE1 Design Controller
(Part 4)

In our November '89 issue we showed you how easy it is to convert any 2 colour Fair Isle design into a 3 colour design, using Knitmaster's 580 DesignMaster electronic with its marvellous PE1 Design Controller. Then, in our January '90 issue we showed you how to do this if you have a punchcard machine. Now, in this final article about knitting 3 colours in a row, we are going to explore ways of dealing with the loops on the back of 3 colour knitting — or 'floats' as they are commonly called.

If you have been following this series of articles on three colours in a row, and have knitted our sample chevron pattern, either on the electronic 580 with the design controller, (Modern Machine Knitting Nov 89), or the punchcard version (Modern Machine Knitting Jan 90), you will have discovered that there are nine stitch floats between each of the 2 contrast colours and, if we can, we want to get rid of them.

For those of you have not yet bought a ribbing attachment, a practical solution is to knit a lining in a fine industrial yarn. This has the added advantage of making the finished article much warmer and, if you have a charting device, there will be no problem calculating the stitches and rows to make the lining the same size as the garment. Alternatively, line your knitted garment with a suitable lining fabric.

Using the Ribber

Those of us who have a ribbing attachment may also opt for the lining method, but we also have another way of reducing long floats and, when using fine yarns, can actually get rid of them altogether by making a Jacquard type fabric. This doesn't mean we have to repunch the card as you would for Fair Isle double Jacquard, and electronic 580 owners DO NOT use the Jacquard button no.6 — we are simply going to use the slip stitch setting on the main bed, as we did for the single bed version, and use the needles on the ribber to 'knit in' the floats.

The colour changer is really a must for this type of work. It avoids the muddles and dropped stitches that can occur when changing colour manually, and speeds up the process considerably.

For our samples we have used Knitmaster 2 ply Aneto yarn. This is a textured yarn, but you can use any 2 ply yarn. The main bed tension should be the same as you would use if knitting the yarn on the single bed while the ribber tension should be set one whole number lower. For the Aneto 2 ply we used main tension 4, ribber tension 3. Set ribber to ½ pitch 5 and using main colour yarn cast on for full needle rib as per instruction book.

Punchcard Machines

Carr on right, set punchcard and lock on row 1. Knit 1 row to left to memorize card. Change to first contrast yarn, set cam lever to slip, elongation lever to L, unlock punchcard, and knit as follows, *2 rows 1st contrast, 2 rows main yarn, 2 rows 2nd contrast.* Rept from *to* for required length.

If you have a punchcard machine without the elongation facility, punch each row of the card twice. (See Modern Machine Knitting, Jan 90.)

580 Electronic

Switch on machine and PE1, into which you have read the 3 colour pattern. Inspection light on, set point cams and needle 1 cam. Using main yarn cast on ½ pitch 5 full needle rib. Carr on the left, lights on, no.1 left, no.2 left, no.3 elongation. Press knit and = on the PE1 and then = again to show 1 1. Cam lever to slip. Change to 1st contrast, inspection light off. Knit 2 rows. Change to 2nd contrast, knit 2 rows. Change to main col, knit 2 rows. Rep following the colour changes shown on the PE1.

Other Electronics

Those of you with Knitmaster electronic machines 500, 550, 560, can mark a design sheet following the chart for punchcard machines (Modern Machine Knitting Jan 90.)

Lights, cams and cast on as for 580 but change colour as for punchcard machines.

How It Works

On all machines, the punchcard or the design sheet selects the needles to knit the correct colour on the main bed and, when you have knitted all three colours (6 rows), you will actually have only knitted 2 *complete* rows on the main bed. However, at the same time you will have been knitting all the needles on the ribber on every row — so you will have knitted 6 rows on the ribber as opposed to 2 on the main bed.

Because more rows have been knitted on the ribber than on the main bed, there is a tendency for the fabric to curl slightly. Setting the ribber one tension tighter than the main helps to reduce this.

Reducing Fabric Distortion

As with all Jacquard type knitting in full needle rib, the fabric will be slightly firmer than that knitted on the single bed.

However, the 'curl' can be avoided by putting the left hand Set Lever on the ribber to O. This now means that each colour will knit on both the main bed and the ribber from left to right, but only on the main bed from right to left. So, instead of knitting 6 rows on the ribber for every 2 rows on the main bed, there will now only be 3. The disadvantage of this method is that it reduces the elasticity of the fabric widthways, but you can allow for this when calculating the garment size

Pattern 12 in the Bouclé Book
3 colour slip with needle selection
on the ribber.

Pattern 10 & 11 in the Bouclé Book
3 colour slip with needle selection
on the ribber.

Swatch 1 — normal ribber setting

Swatch 2 — with left hand Set Lever at O

With the left hand Set Lever on the ribber at O, the pattern doesn't elongate or curl.

needed. The advantages are that the pattern doesn't elongate and also that it makes a good fabric for cut and sew and for skirts and jackets where you want to minimize the sideways stretch.

Using 4ply Yarn

When using 4ply yarn, it's not possible to use full needle rib because the yarn would be difficult to knit and would result in a very hard fabric.

We can get around this problem by using a needle selection on the ribber, either alternate needles, every 3rd, every 4th or every 5th needle. Selections like this will give a slightly ribbed effect to the knitting, which can be minimized by using a textured yarn, or can be used to accentuate the design. Two very good examples can be found in the Knitmaster Bouclé Book.

Pattern nos. 10 & 11 makes use of the centre of each diamond for the ribber needle while pattern 12 has some vertical lines of colour which, with the texture of the yarn and the placing of the ribber needles, makes the rib effect less noticable.

These garments were knitted in Knitmaster 4ply Bouclé, main tension 6, rib tension 5.

If you have any difficulty in obtaining copies of the Modern Machine Knitting magazines mentioned, or the Knitmaster Bouclé Book, send £1.25 plus 28p p&p per magazine or £2.95 plus 34p for the Bouclé Book to Modern Knitting Ltd, PO Box 175, Kingston Upon Thames, Surrey KT2 6HA.

You should now be all set to experiment with all sorts of 3 colour designs of your own. Have lots of fun with this exciting technique and do let us know if you come up with any additional comments, advice or tips you'd like to pass on to your fellow readers. We'll give you a £5 reward if your advice is published in our Letters Page.

STAR SIGNS

(Part 3)

Each month this year we're including a sign of the Zodiac for you to knit — one for each Star Sign. This month we've created a beautiful border design for Pisces. Knit it in two colours, or multicoloured with additional Swiss darning — or perhaps use it as a single motif if you prefer. Next month our Star Sign will be for Aries.

SWATCH 1

For Standard Gauge Punchcard & Electronic Machines.

Yarns Used:
Col 1 — Aqua (Knitmaster Aneto 4ply)
Col 2 — Saxe (Knitmaster Aneto 4ply)
Col 3 — Emperor (Knitmaster Boucle)
Col 4 — Midnight (Knitmaster Kone 4ply)
Col 5 — Saffron (Knitmaster Aneto 4ply)
Col 6 — Flame (Knitmaster Aneto 4ply)

TO KNIT

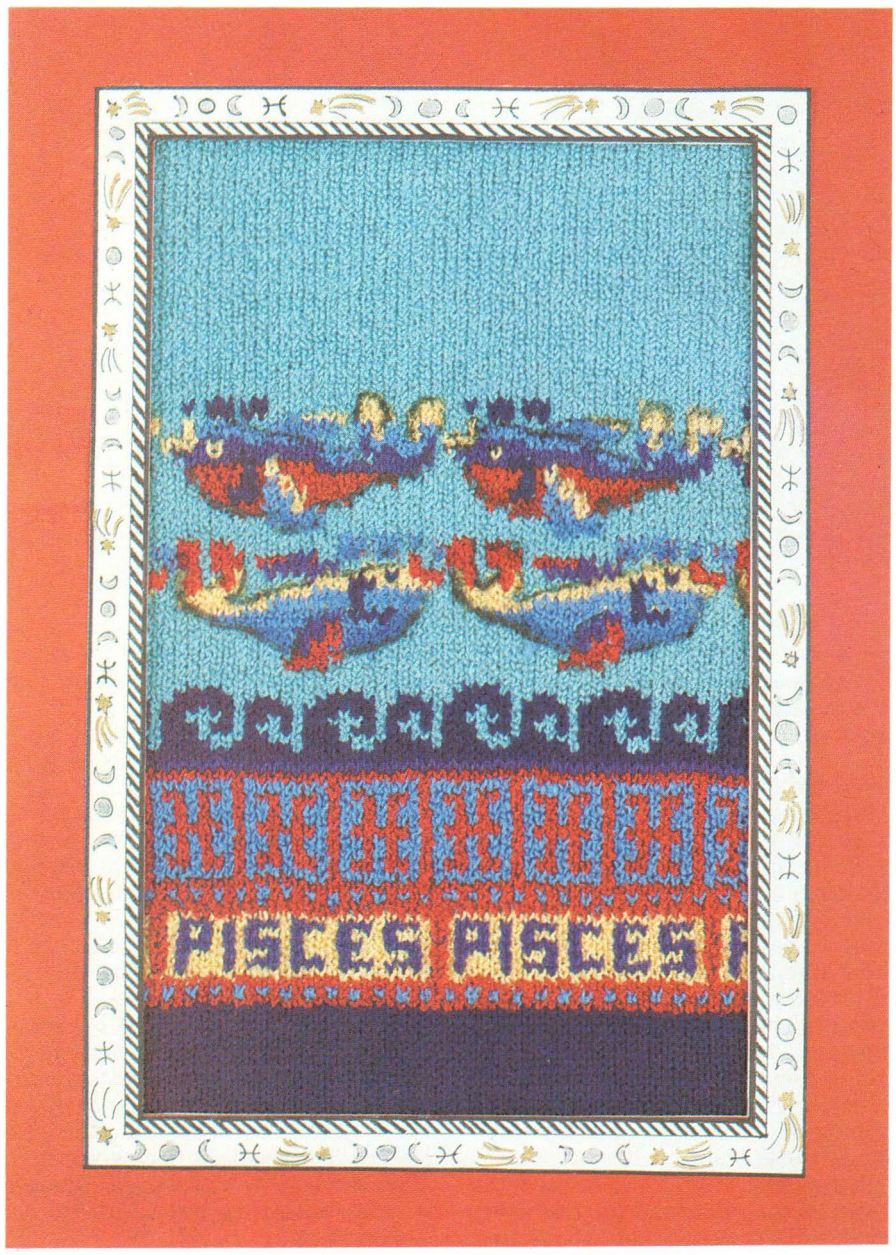
Insert card and lock on row 1. Push 37 Ns at left and right of centre O to WP. 74 Ns altog. Using col 4, cast on. Knit 42 rows stockinet. Release card. Set carr for Fair Isle.
Col 6 in feeder 2 only, knit 1 row.
Col 2 in feeder 1, Col 6 in feeder 2, knit 1 row.
Col 6 in feeder 2 only, knit 1 row.
Col 5 in feeder 1, Col 3 in feeder 2, knit 7 rows.
Col 6 in feeder 2 only, knit 1 row.
Col 2 in feeder 1, Col 6 in feeder 2, knit 1 row.
Col 6 in feeder 2 only, knit 1 row.
Col 2 in feeder 1, Col 6 in feeder 2, knit 9 rows.
Col 6 in feeder 2 only, knit 1 row.
Col 3 in feeder 1 only, knit 1 row.
Col 4 in feeder 2 only, knit 1 row
Col 1 in feeder 1, Col 4 in feeder 2, knit 7 rows.
Col 1 in feeder 1 only, knit 3 rows.
Col 1 in feeder 1, Col 6 in feeder 2, knit 2 rows.
Col 1 in feeder 1, Col 2 in feeder 2, knit 4 rows.
Col 1 in feeder 1, Col 5 in feeder 2, knit 5 rows.
Col 1 in feeder 1, Col 6 in feeder 2, knit 3 rows.
Col 1 in feeder 1 only, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 2 rows.
Col 1 in feeder 1, Col 6 in feeder 2, knit 4 rows.
Col 1 in feeder 1, Col 3 in feeder 2, knit 5 rows.
Col 1 in feeder 1, Col 5 in feeder 2, knit 3 rows.
Lock card. Set carr for stockinet. Using col 1, knit 42 rows. Cast off.

Pin out and steam carefully. Swiss darn fish following chart. Using col 6, swiss darn lines between word 'Pisces'.

SWATCH 2

For Standard Gauge Punchcard & Electronic Machines.

Yarns Used:
Knitmaster Kone 4ply
Col 1 (Aran) Col 2 (Black)



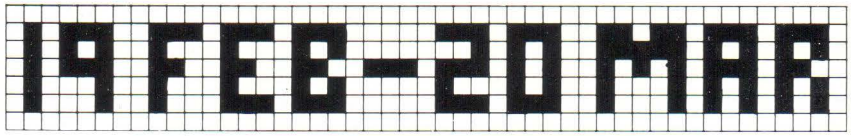
TO KNIT

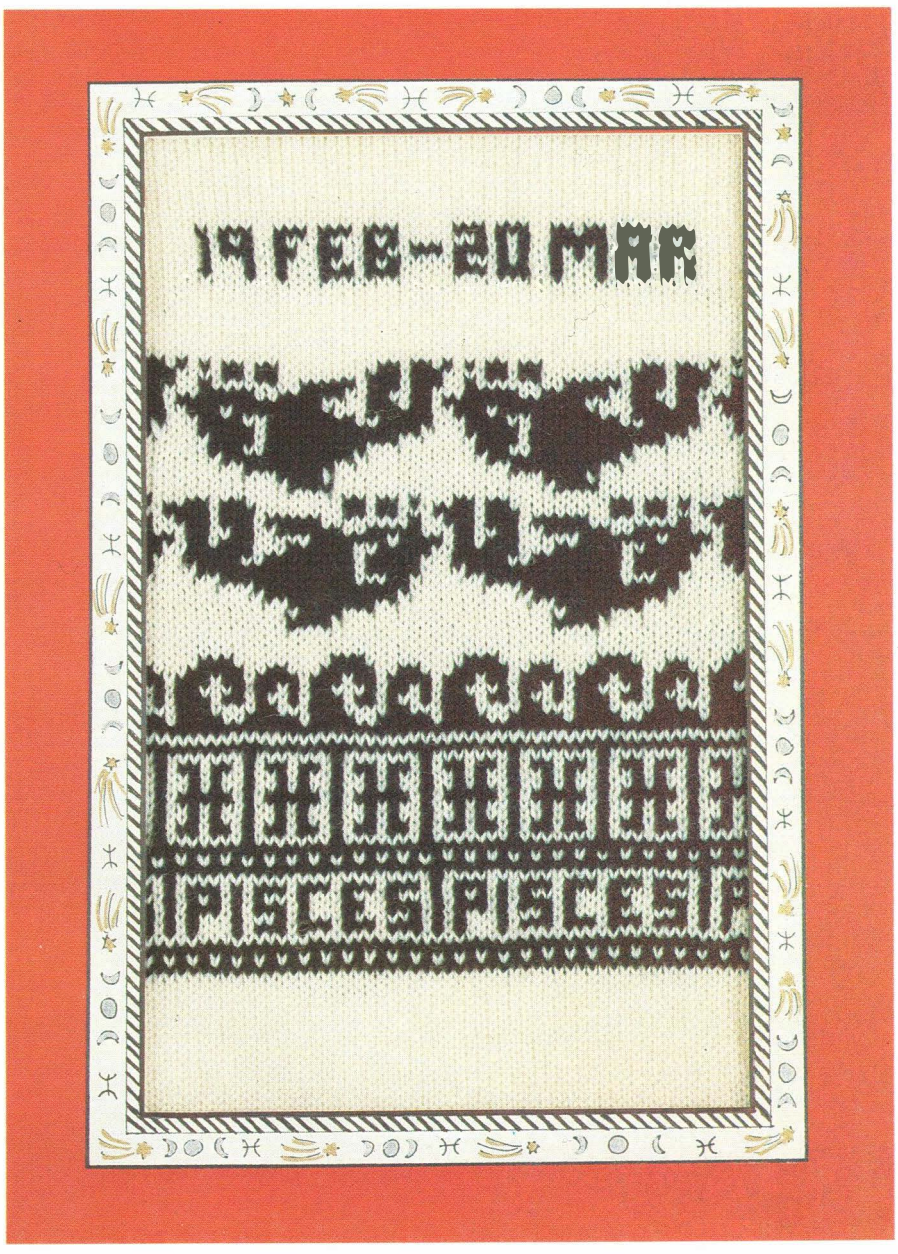
Insert card and lock on row 1. Push 37 Ns at left and right of centre O to WP. 74 Ns altog. Using col 1, cast on. Knit 42 rows stockinet. Release card. Set carr for Fair Isle.

Col 2 in feeder 2 only, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 1 row.
Col 2 in feeder 2 only, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 7 row.
Col 2 in feeder 2 only, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 1 row.
Col 2 in feeder 2 only, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 9 rows.
Col 2 in feeder 2 only, knit 1 row.
Col 1 in feeder 1 only, knit 1 row.
Col 2 in feeder 2 only, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 7 rows.
Col 1 in feeder 1 only, knit 3 rows.
Col 1 in feeder 1, Col 2 in feeder 2, knit 14 rows.
Col 1 in feeder 1 only, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 14 rows.
Lock card. Set carr for stockinet. Using col, 1 knit 42 rows. Cast off.

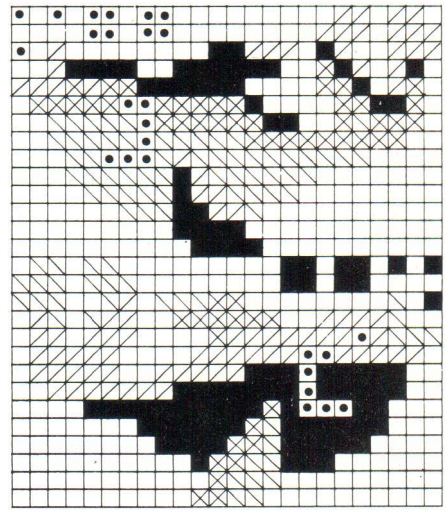
Pin out and steam carefully. Swiss darn words following chart.

Swiss Darning Chart



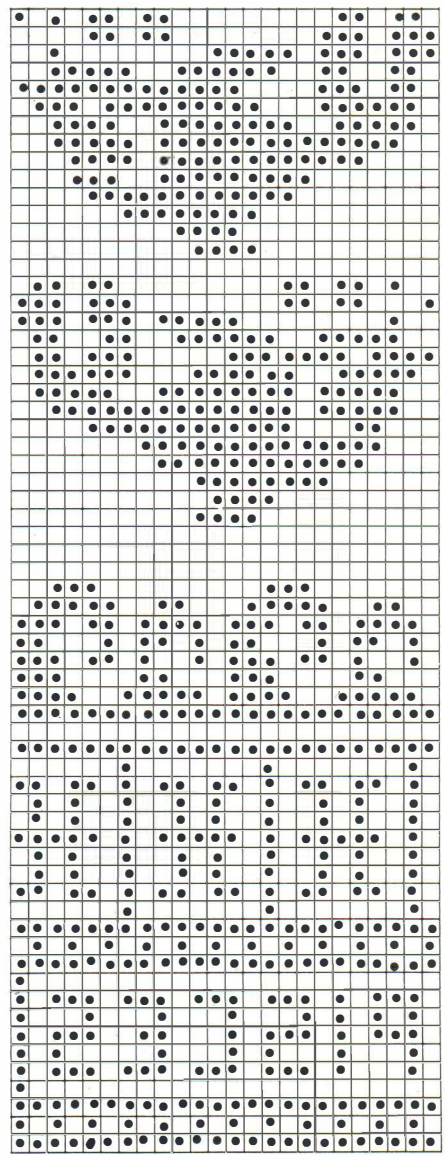


Swiss Darning Chart



= *saxe*
= *midnight*
= *flame*
= *saffron*
= *emperon*

Punchcard Chart



KNITTING A CIRCULAR YOKE SWEATER

Sweaters with circular yokes have regained popularity in the last couple of years (we've included two for you this month) but we've been surprised to find over recent months that many of you seem to think that circular yoke sweaters are far more complicated to knit than they actually are. So, here's an explanation and a few pointers.

Why do Circular Yoke Sweaters look so complicated to knit?

There's a tendency to assume that circular yoke sweaters are complicated to knit for two reasons. Firstly, the very fact that the bands of Fair Isle are curved instead of straight makes you think that something very complicated has taken place — it hasn't! Secondly, the pattern instructions and diagrams for the yokes tend to look rather involved and a bit mysterious at first glance — it puts you off having a proper look, doesn't it?

What makes the bands of Fair Isle curve?

We're used to shaping machine knitted pieces by increasing or decreasing the edge stitches. However, when you're knitting a circular yoke, several stitches are decreased right across the row rather than at the edge of the knitting — decreasing several stitches right across a row creates a slight curve. By repeating this process several times when knitting a yoke, a curved shape is created.

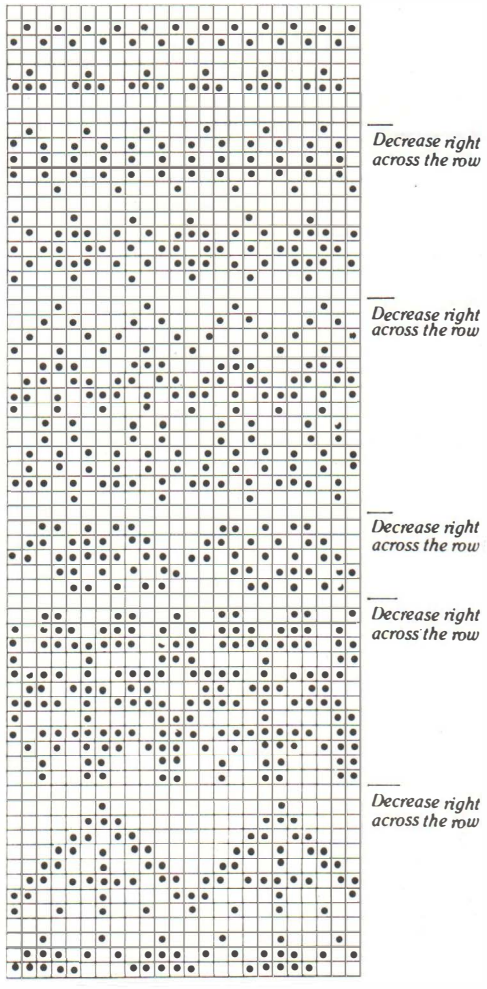
How do you decrease several stitches right across a row?

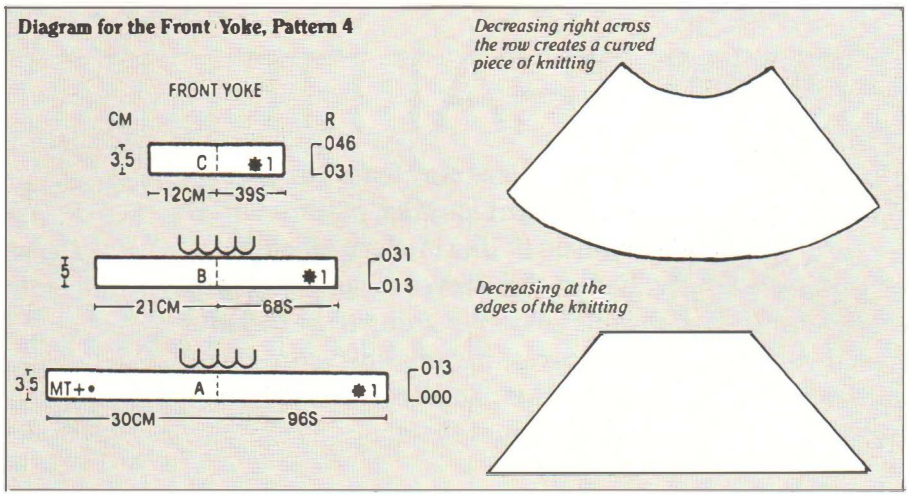
Let's assume you have 60 stitches on the machine and want to decrease 10 stitches across the row. Switch off the row counter, punchcard etc and knit several rows with waste yarn, release from the machine. Now put 10 of the needles back into Non Working Position (5 at each end). You now have 50 needles in Working Position onto which you are going to 'gather' the original 60 stitches. By 'gather' we mean put 2 stitches onto 1 needle as often as is necessary to reduce the appropriate number of stitches — 10 in this case. You want to do this reasonably evenly across the row so 'mark' the needles which are going to have 2 stitches on them by pulling them out further than the rest. You should have 10 'marked' needles. Replace the knitting onto the machine by picking up the loops of the last row knitted in main yarn, putting 2 stitches onto each of the 'marked' needles as you reach them. You've now decreased 10 stitches evenly across the row. Unravel the waste yarn and switch your row counter etc back on.

How often do you decrease right across the row when knitting a circular yoke?

There's no hard and fast rule as to how many times you must remove the knitting from the machine and replace it onto fewer needles — it depends on the design

Punchcard chart from Pattern 12


Decrease right across the row
Decrease right across the row
Decrease right across the row
Decrease right across the row
Decrease right across the row



and the pattern. For instance, in this issue, you'll find the circular yoke in pattern 12 has been taken off the machine and replaced 5 times while the circular yoke in pattern 4 has only been taken off and replaced twice. However, you will always find that it happens after a band of Fair Isle has been completed, never in the middle of one. If you did decrease in the middle of a band of Fair Isle you'd find that the pattern would distort after replacing it onto fewer needles because the patterning would be taking place in a completely different position on the knitting. Of course, it's also much easier to decrease right across a row if the last row knitted is a plain one. Look at the punchcard chart for pattern 12 to see where in the pattern the decreasings take place.

Why do the diagrams for a circular yoke look so strange?

Once you know that the circular shape of the yoke is created by the simple process of removing the knitting from the machine and replacing it onto fewer needles, decreasing right across the row, the diagrams for the yokes start to look quite sensible after all. Look at the diagram for the front yoke for pattern 4. Read it from the bottom up as you do with all of our diagrams. It shows you that you start with 96 stitches at each side of centre O and knit 13 rows before casting off with waste yarn.

The second rectangle shows you that you now have to replace the knitting on to 68 needles at each side of centre O, knit to Row 31 and then cast off with waste yarn again.

The top rectangle tells you to replace the knitting onto 39 needles at each side of centre O and knit to Row 46.

Next to the knitting diagram for the front yoke, you'll find a diagram of how the yoke will look when you've knitted it. Now compare that with the shape you would have if you simply decreased evenly up the outside edges in the usual way. See how effectively you can create a curved piece of knitting just by decreasing right across a row in a few strategic places.

Why do the written instructions look so complicated?

The written information also gives you the instructions for knitting the yoke, as well as detailed pattern instructions. However, if you turn to page 35 and look at the written instructions for the yoke, you'll see that the instructions for the front and the back yoke are split up into different sections starting with the first part of the front yoke and then knitting the first part of the back yoke, alternating between the front and back throughout. There's a very good reason for not knitting the whole of the front yoke in one go before knitting the whole of the back yoke. If you were to knit the whole front yoke first, you'd find when you tried to knit the back yoke, you wouldn't be able to stretch the back pieces enough to fit them onto the required number of needles — the narrow neck edge of the front yoke would restrict the stretch. Therefore, we alternate between the front and the back sections of the yoke.

What else seems complicated in a circular yoke pattern?

If you browse through the rest of the pattern, you'll notice that at the end of knitting each main piece (back, front, sleeves) the cast off is with waste yarn and the shaping has been done using Holding Position. This allows you to pick up the open stitches of the body and sleeve pieces and knit the yoke pieces as a continuation, without any seam.

However, if you prefer, you can shape the top edges of the body and sleeve pieces in the usual way and cast off with a closed edge — then use a closed edge cast on for the front and back yoke. The disadvantage of this method is that there will be a seam where the yoke is joined to the body and sleeve pieces — not really a problem as long as you join the pieces neatly. The advantages are that you're probably more used to shaping and casting off with a closed edge and that you'll be able to knit the yoke pieces in one go rather than alternating between the front and back yokes.

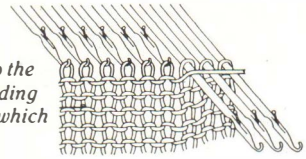
How is shaping done using Holding Position?

If you prefer to maintain the traditional look of a circular yoke sweater (without a seam around the yoke) but are not sure about shaping using Holding Position here's how it's done.

Simply follow the shaping instructions, as you would normally, but instead of casting off stitches to decrease them, push the needles which have to be decreased to Holding Position. With your carriage set for partial knitting, (so the needles in Holding Position don't knit) you'll continue to knit on the needles in Working Position while the needles in Holding Position won't. Only needles at the opposite end to the carriage can be pushed to Holding Position. Here's an example.

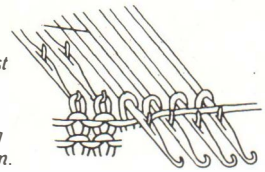
Carriage left.

At the opposite end to the carriage, push to Holding Position the needles which must be decreased.



Knit 1 row from left to right. The needles in Working Position will have knitted, the needles in Holding Position won't — they'll still be in Holding Position with the yarn lying across them.

To prevent an untidy hole being formed at this point, take the yarn under the first inside needle in Holding Position. Make sure that it still lies over the remaining needles in Holding Position.



At this point, repeat the process at the opposite end to the carriage if needles must be decreased at the left, too. If not simply knit 1 row back to the left and repeat the process for the next decrease.

Once all the required needles have been decreased by bringing them to Holding Position, push them back to Upper Working Position and knit one row (only do this at the opposite end to the carriage). You will now have all the needles back in Working Position and can cast off with waste yarn.

Both of our Circular Yoke patterns give detailed instructions for shaping the tops of the back, front and sleeves using Holding Position, so don't worry too much about it until you come to knit the garments — all will be clear then!

So, now you know all the ins and outs of knitting a circular yoke sweater and are ready to knit patterns 4 and 12. These two beautiful designs will be a tremendous asset to your Winter wardrobe — so don't delay, start knitting today.

PATTERNS THAT FIT

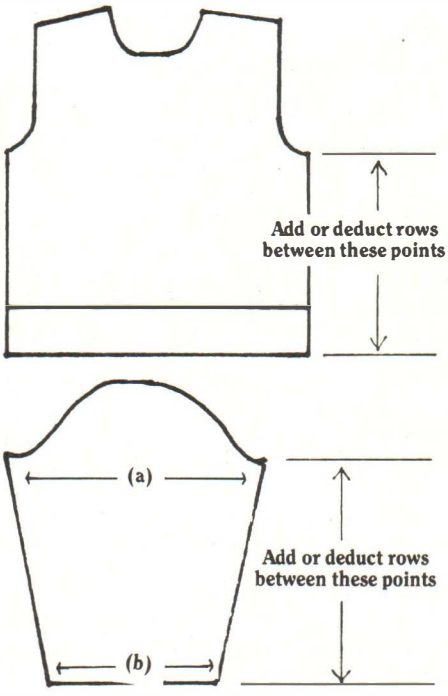
The fact that people are all different shapes and sizes may make life more interesting, but when it comes to deciding on garment lengths, pattern writers have to take an "average". So what can you do if, like Modern Machine Knitting reader Kathy Smith from Ongar, Essex, the sleeves of your cardigans and sweaters are much too long? The obvious answer is going to be to knit fewer rows, or, of course, if you want longer sleeves, then to knit more rows. But unfortunately it generally isn't as simple as that. You need to know how many rows, and where to add or deduct them.

HOW MANY ROWS?

Remember in the last issue we looked at tension swatches, and how to measure the number of stitches and rows in one centimetre? We can use this information to alter the length of patterns, but first of all you need to compare your own sizing with the measurements given in the diagram accompanying the pattern. Often it's helpful to get a friend to measure you, or failing this, use a garment of the correct length in a similar style to the pattern you have chosen. Hint: Copy the shape of the garment pieces together with the original measurements and rows for your size only from the pattern onto a sheet of paper, then use a different colour pen to write in your new figures.

Example — You want a jumper to be 5 cms longer than the pattern.

Work your swatch(es) and check your tension is the same as the pattern instructions, and then find the tension for the stitch in which the Back/Front is to be knitted. (If the garment is worked in several different stitches, make sure you have the right one for the piece you are altering). This might be 40 rows to 10 cms, which gives 4 rows to 1 cm. Multiply these 4 rows × the 5 cms you wish to add = 20 extra rows to be added to the length. If you wished to shorten the garment, then deduct the figure.



WHERE TO ADD OR DEDUCT THE ROWS

Paper dressmaking patterns often show where to make alterations with the words "lengthen or shorten here". Knitting patterns don't have this, but for a jumper such as our example, you would normally add or deduct from the number of rows knitted between the finish of the ribbing and the start of the armhole position. Where possible, work such alterations in an area of straight knitting which won't interfere with the armhole, shoulder and neck shapings, otherwise you will have to recalculate these as well.

WHAT ABOUT SLEEVES?

Here we need to think carefully since, not only are we altering the length by working more or less rows but, because most sleeves are shaped in some way or other, we might also have to recalculate the rows between the increases.

Example — You want the sleeves to be 5 cms shorter than the pattern.

We work the alteration in the rows between the cuff and the start of the armhole, leaving any shapings for the sleeve top alone. If you only have a few rows difference, these can often be added or deducted before and after the sleeve shapings. If this is not practical, the number of rows between the sleeve shapings will have to be recalculated to distribute them evenly down the whole length of the sleeve, as follows:

The number of stitches at the start of the armhole (a) and at the cuff (b) must be the same as the original pattern. By deducting (b) from (a) we arrive at the number of stitches to be increased. These are then divided by 2 because we increase at both ends of the row. Finally the total number of rows is divided by the number of increases, to give us the number of rows to knit between the increases. If the sleeve is worked from armhole to cuff, then the stitches will be decreased instead of increased.

Example — The sleeves in the original pattern are 180 rows long (45 cms at 4 rows to 1 cm), with 1 st increased at each end of every 15th row × 12. You want to shorten the sleeves by 5 cms (which works out at 20 rows) so the new sleeve length will be 160 rows (40 cms at 4 rows to 1 cm).

start of armhole (a) = 128 sts
cuff (b) = 104 sts
24 sts to increase

24 sts ÷ 12 = 12 increases

160 (rows) ÷ 12 (incs) = 13 remainder 4

This means for the revised length sleeve you increase 1 st at each end of every 13th row × 12 with the 4 remaining rows worked after the final increase.

POINTS TO WATCH

Read through the original instructions and study the photograph to see if there are any particular pattern placings. If you change the length of garments with patterns or motifs, you may need to re-position these. Sometimes with Fair Isle patterns you are told to start on a particular row of the card so that the body and sleeves match up or are visually more attractive. Your swatch and a rough sketch or plan of the garment can be helpful here, and a second swatch often aids in matching up the patterns. Try thinking ahead and trying to visualise how any alterations in row numbers would affect the overall design.

Of course, if you have a charting device you'll find making simple alterations to patterns very easy and will even be able to make more complicated alterations without too much trouble. Next month we'll take a look at using a charting device and how you can make alterations to charting device patterns.

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Are you collecting our series of 12 Star Signs or perhaps would like to complete the collection of "Knitting from Nature" which starts this month? Won't it be frustrating if your Newsagent or knitting machine shop runs out of Modern Machine Knitting before you can manage to buy your copy?

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LETTERS, HINTS & TIPS

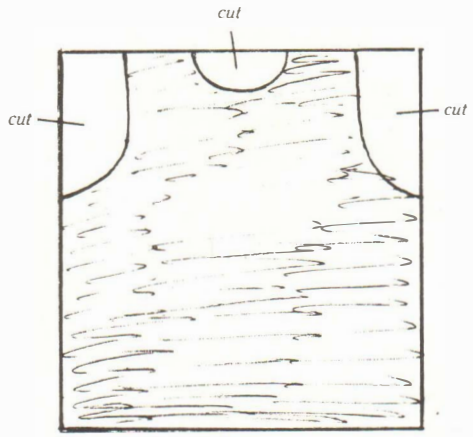
If you have an amusing or interesting bit of chit-chat or a helpful hint which you'd like to share with your fellow readers, or perhaps have a question or a problem you think your fellow readers can help with, write to us — we'll send you a £5 reward if your letter is published.

Dear Laraine,

A tip for all those Knitmaster Electronic owners, with point cams. If doing a patterned garment for cut and sew, isolate the patterned area by moving the point cams in for each side you would have decreased. A second set of cams will do the neckline. Wonderful for weaving.

Yours faithfully,

Rosy Williams, Shrewsbury.



Dear Laraine,

To make it easier to transfer the information on you electronic charts to mylar sheets, or to transfer the intarsia charts onto large sheets of graph paper which are easier to knit from, I use the following that I bought from a needlework and embroidery shop.

Firstly, I have an 8″ × 10″ Magnet Board with magnetic ruler. Then I bought a magnetic line magnifier — this I use all the time when doing intarsia or following fiddley patterns. I never, ever lose my place now or accidently knock the ruler.

The line magnifier costs £3 and the Magnetic Board and ruler also costs £3 and they are available from lots of craft shops. They're also available by mail order for an additional £2 p&p from

DMC Creative World
Pullman Rd, Wigston
Leicester LE8 2DY.

Yours sincerely,

Barbara Scrivener, Great Yarmouth.

Dear Laraine,

When using waste yarn whilst ribbing, always knit in the nylon cord between the waste yarn and the main yarn, to enable you to take it off easily. To do this, change your machine to knit circular rows — i.e one row on back bed only, 1 row on front bed only — then continue as usual. Regardless of rib formation this enables you to pull out the cord easily by pulling the 'loop' between the beds at one end.

Yours sincerely,

Joan Waine, Weybridge, Surrey.

Dear Laraine,

I would be most grateful if you or any of your readers can help me.

I'm looking for a pattern for mens' chunky socks' to knit on my chunky machine. So far I've been unsuccessful, therefore I would be very pleased to hear from anyone who may have a pattern they could let me have. I would be more than willing to pay any postage.

Yours faithfully,

Mrs. J. Hill, Gwynedd.

Dear Mrs. Hill,

When we received your letter, we were amazed to find that we didn't have a pattern for men's chunky socks either. We'll see what we can do to rectify that later in the year but, in the meantime, perhaps one of your fellow readers can help.

Laraine.

Dear Laraine,

I feel I must pass on my method of dealing with long floats at the back of Fair Isle knitting. Using a small straight stitch on my sewing machine and normal sewing thread which matches the lighter of the two knitting yarns, I place the knitting right side up and with the cast on edge towards me I then sew in a straight line following the groove between the stitches. I repeat this at regular intervals across the knitting — the floats are stitched down at the back and, as long as I've stitched in the groove between the stitches, you can't see the sewing. I hope this tip helps others.

Ivy Underwood, London.

Dear Laraine,

My tip is to use 15mm foam pipe lagging on plain wooden coathangers to stop the usual stretching of knitteds at the shoulders into unsightly 'peaks' whilst hanging. The 15mm size should be cut in 5½″ lengths and pushed onto the hangers with the longitudinal score downwards (no need to cut through). The width of the shoulders can then be varied by moving the lagging nearer or further from the hook to suit the garment size.

I keep all my knitwear on these modified hangers and have never had any stretching even on the heaviest of garments — I hope this cheap tip proves helpful to all my fellow knitters!

With best wishes,

Polly Syred, Powys.

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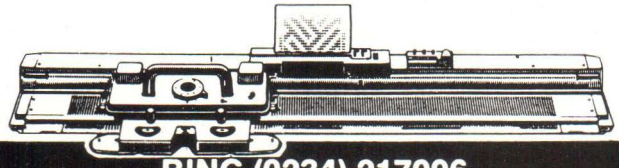

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KNITTING FROM NATURE
(Part 1)

Every month, our Knitting From Nature feature will provide you with some delightful motifs – for both electronics and punchcard machines. Collect our Nature designs every month and build up your exclusive Nature Collection.

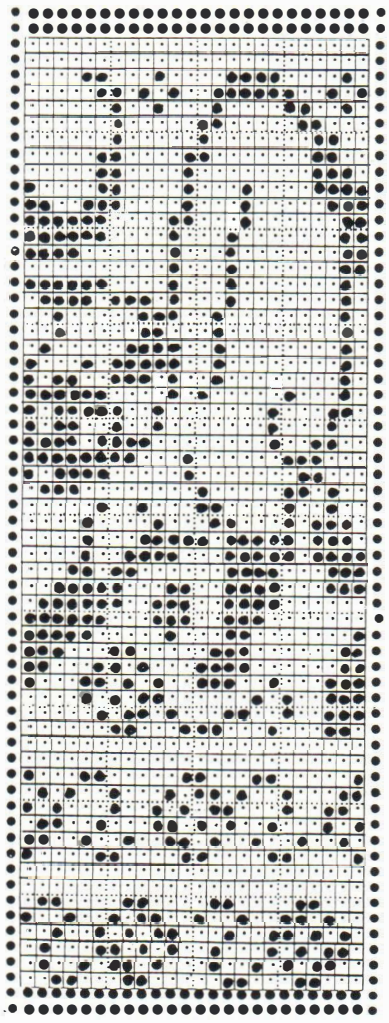
SIAMESE CATS

Aristocrats of the cat world, Siamese cats can have various colour points. Suggested here are Chocolate and Blue.

Swiss darn the characteristic blue eyes.

Electronic machine owners can use the 60 stitch picture on the front of a sweater, perhaps with a few rows of the 24 stitch balls of wool pattern as a border and the playing kitten on the sleeves.

Punchcard users can alternate the kitten with one or more rows of balls of wool or use the electronic chart to knit an intarsia versions of the larger design.



PATTERN NOTES

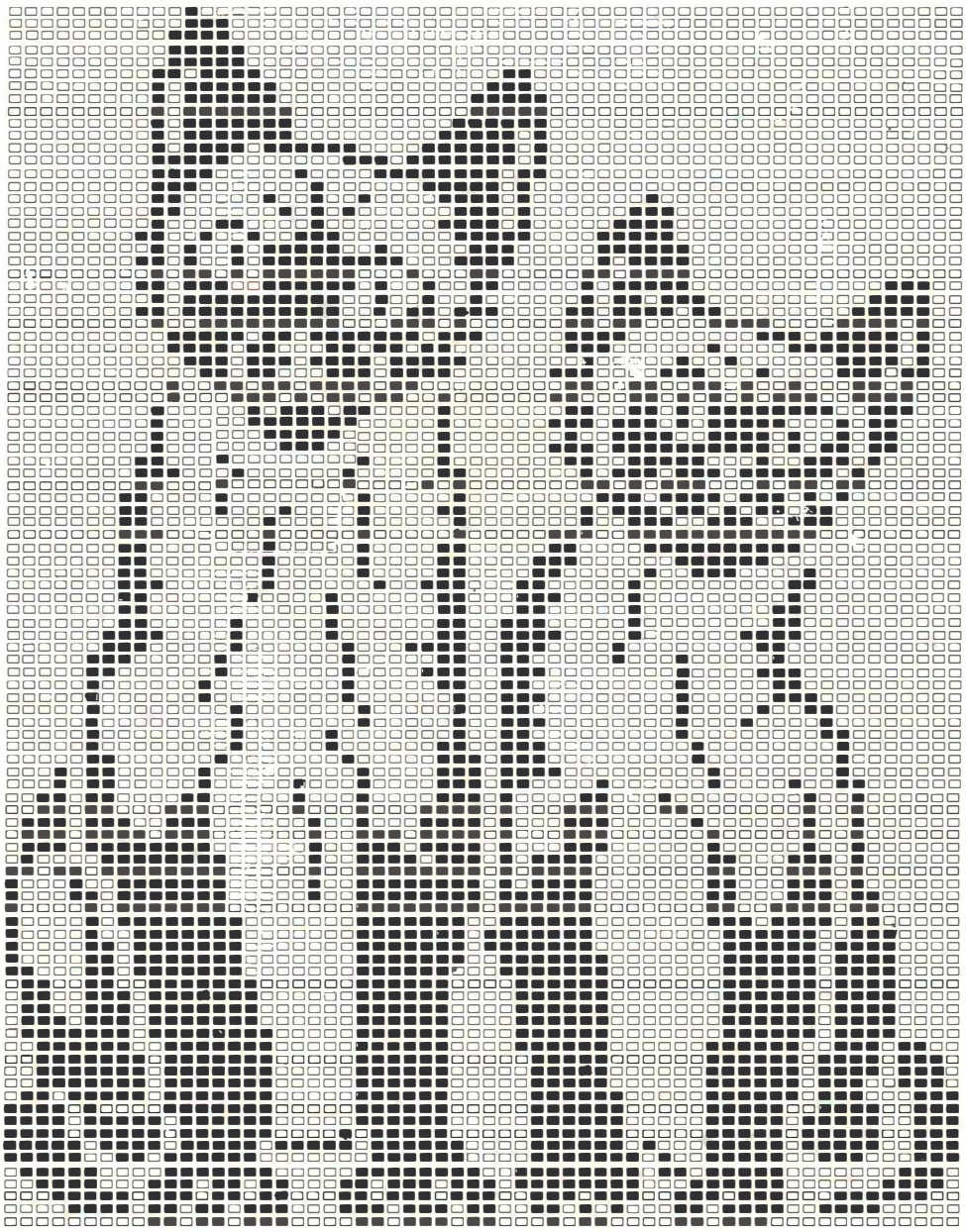
Yarns Used:
Forsell Shamal
Cream — 502 Llama
Dark Blue — 510 Marine
Brown — 564 Brown
Light Blue — 512 Sky Blue

Machines:

Two Siamese Cats
For electronic machines.
Note: If you don't have an electronic machine, you can also knit this design by using the electronic chart as an intarsia chart.

Playing Kitten and Balls of Wool
The punchcard chart is suitable for use with electronic machines and 24 stitch punchcard machines.

Note: When using the punchcard chart to make an electronic design card, fill in a square where the punchcard chart shows a hole.



INSPIRATIONAL INTARSIAS

Intarsia knitting is an important feature of modern knitting machines today — whether included as a facility of the main carriage or available as an additional intarsia carriage — and is a really fun way way to create unusual and beautifully colourful pictures of geometric designs. Each month we investigate the use of intarsia, providing you with patterns, pictures and above all, inspiration to create your own designs.

"HEDGEROW"

We have something a little different for you this month — this particular design was the result of seeing the beautiful porcelain pots, with their very delicate, hand painted, 3-dimensional flowers on the lids, from Rainbow Buttons. With Mother's Day and Easter looming large, one of the little pots, with a matching dressing table mat, would make the most exquisite and unusual present, so we have included instructions for making the 'Hedgerow' design into a lace-trimmed mat.

Original yarns used were 3plys in a cotton-look acrylic for the white main colour and the pale pink and a slightly sparkly acrylic/nylon yarn for the remaining colours. Knitted at a tension of 35 stitches and 43 rows to 10cms (at tension dial approximately 6), the mat measures 34cms by 21cms (13½" x 8½").

MATERIALS:
40 grms 3ply yarn in White (Main Colour)
10 grms each in Pale Pink, Deep Pink, Lemon and Green
1 metre gathered broderie anglais lace, 20mm wide
Approx. 50 round yellow beads and matching sewing thread

MACHINES:
Standard gauge machines with intarsia facility.
To knit the mat, cast on 'e' wrap 120 stitches and knit 7 rows at Main Tension in Main Colour. Set carriage, or change carriage, for intarsia. With carriage on the left, start 'Hedgerow' intarsia design.
Remember that completed design will be the reverse of the chart. At RC90 cast off.

Sew in loose ends from intarsia work, pin mat to shape, lightly steam press and leave to dry completely if a little damp. Sew two rows of straight stitches, close together, along stitching lines for roun ded corners, then zig-zag stitch over the two lines of straight stitching. Cut the rounded corners of the mat to shape close to the zig-zag stitching. On the right side, pin the gathered lace round the edge of the mat, neatly overlapping the ends. Stitch in place using straight stitches. Final light press if necessary. Sew small round yellow beads to the centres of the roses.

SHAPING THE CORNERS
The shaping for the rounded corners of the mat has been shown on the chart, not for shaping as you knit, but as a guide for the stitching line for cut and sew. Either a template can be made for this by drawing the complete oval onto a piece of paper and pinning this to the knitted square, then tacking around the stitching line and tearing away the paper, or by hanging a thin thread on the appropriate needles as shown on the chart as you knit, which will give you your stitching line.

THE PORCELAIN POT
The porcelain "Hedgerow" pot can be purchased from Rainbow Buttons, 44 Sanderson Road, Jesmond, Newcastle-upon-Tyne, NE2 2DS, price £7.95 + 50p p&p. In addition to the "Hedgerow" pot, they also have a very pretty pale blue "Convolvulus" pot and an extremely delicate "Honeysuckle" pot, both with the most amazing attention to detail, as with the "Hedgerow" pot. Another of Rainbow Buttons' lovely ideas is porcelain pots or little square porcelain boxes with matching brooches, all beautifully hand painted, such as their "Cornucopia" and "Bonnet" designs. Little "Cottage" pots, complete with thatched roofs, are also very unusual and would undoubtedly make most welcome presents (if you can resist the temptation to keep them yourself). If you would like a copy of the Rainbow Buttons colour brochure, which also details their wide range of most unusual and colourful buttons, badges, jewellery and appliqués, please send £1.00 to the address given above.

A kit to make the "Hedgerow" dressing table mat is also available, which includes all yarns as used for the original design, cotton broderie anglais and yellow beads, at a cost of £2.50, plus 30p p&p, from: Rosalie Davis, Wayside, Fawkham Road, West Kingsdown, Kent TN15 6JP.

ADAPTIONS AND VARIATIONS
If you prefer, the flowers centres can be left plain lemon, or decorated with lemon french knots instead of sewing on the beads. The green leaves could be left out altogether, with just the three pink wild roses knitted, which would also be very pretty and would keep the design to pink and white if the bedroom doesn't have green in it. On our original mat, the smaller of the two roses has been repeated on the opposite side, but this could be omitted, with just the main design being knitted, either to one side or in the centre. The white broderie anglais edging can be replaced with a pretty pink lace, or white lace with pink ribbon threaded through. There is such a wide variety of lace available, the choice of suitable edgings is extensive with something to suit all tastes.

In addition to using the "Hedgerow" design for our dressing table mat, it's also suitable for incorporating into garments, particularly summer cottons. The complete design would be ideal for a sweater or sleeveless top, or positioned on each front of a summer cardigan or jacket (with one side having the design reversed), in which case knit the second smaller rose closer to the main design than has been done on the mat. Both the large and small roses could be knitted as separate, single motifs at random, perhaps in different colours rather than all pink, with or without beaded centres.

Whatever you decide to do with our "Hedgerow" design, as always, we hope you enjoy making it and adding your own ideas to those we have suggested. See you next month with a design most suitable for Easter.

Continued overleaf

KNIT BEAUTIFUL INTARSIA *with* KNITMASTER

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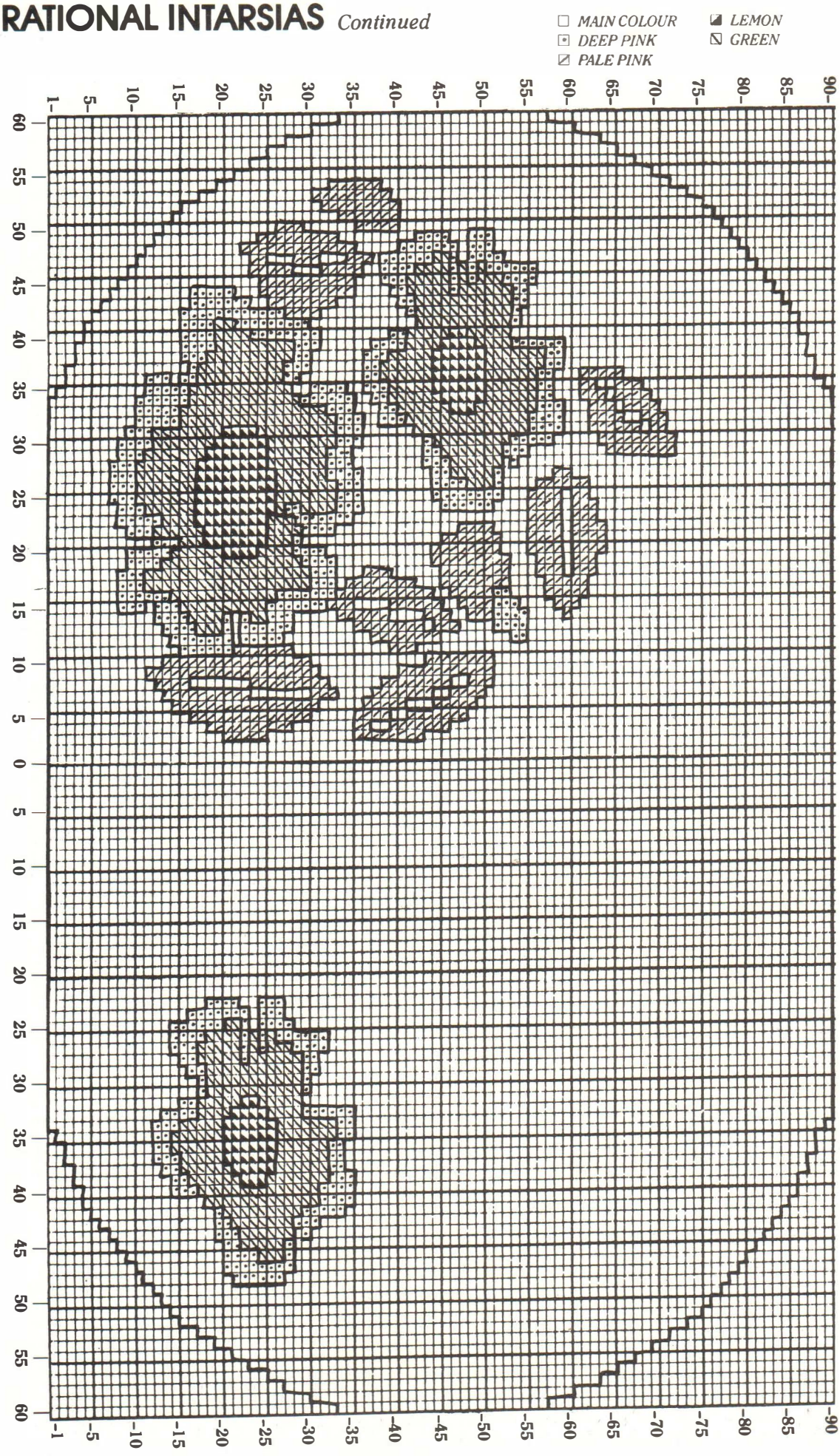
KNITMASTER

INSPIRATIONAL INTARSIAS *Continued*



KNITTING CLUB NEWS

New Clubs

This month we are pleased to register the following clubs and would like to wish them every success.

The Thundersley Knitting Club, who meet at 177 Thundersley Park Road, South Benfleet in Essex. Their leader is Mrs B. Hall.

The Knaresborough Machine Knitting Club, Calcutt, Calcutt Village Hall, Knaresborough, North Yorks. Their secretary is Mrs J.M. Cree.

Change of Dates

The Colchester Yarn Warehouse Club has had to change one of its dates. The evening Club will run as usual on the last Tuesday of the month 7.30pm to 9.30pm.

The afternoon Club has been moved to the second Tuesday of the month 1.30pm to 3.30pm.

The Club has a varied programme of demonstrations and talks and for further details you can contact Diane Chaplin at the Colchester Yarn Warehouse, at The Cowdray Centre, Cowdray Avenue, Colchester, Essex CO1 1BJ.

Fashion Show at Brixham

The Brixham Knitting Club are holding a Fashion Show at the Brixham Community Centre on Thursday, March 15th. Doors open at 6.30 and the Club plans to have knitting, craft and charity stalls as well as light refreshments and a raffle. The tickets cost just £1.50. For more details you can contact Gillian Baker, the Club Organiser, at Brixham Knitting Club, 6 Valletort Park, Brixham, Devon.

Salisbury Activities

Salisbury Knitting Club, who meet at the United Reformed Church, Fisherton Street, Salisbury on the third Thursday of the month at 7.30pm, have a full programme of activities planned for this year and this includes visits, talks and demonstrations – all aimed at not only giving lots of practical help on machine knitting but making it a sociable time for all of the members. For more details contact June Ainsworth 0722 72625 or Helen Bonney 0722 73354.

Tell Us About Your Events

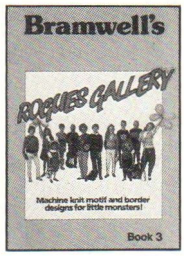
If your knitting club is having a fashion show or holding an open evening or is involved in some other event that you'd like others to know about, tell us and we'll pass on the information. However, we will need your information at least 8 weeks before if we're to print it in time, so don't forget to tell us in plenty of time.

BEST SELLERS

FROM THE BRAMWELL BOOK RANGE

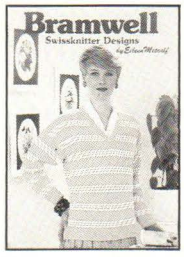
Bramwell are leading UK suppliers of pattern books and coned yarns for machine knitting which are all available at your local stockist. Both the illustrated patterns shown here are from Bramwell's Suit Yourself Book 2.

This second book of 20 imaginative suit and dress patterns makes you look and feel great for any occasion. 44 pages, 20 in full colour, complete with punchcards, diagrams and comprehensive instructions



A delightful collection of clever motif and border designs. This successful series of books each has 36 pages in full colour and also contains basic patterns.

The basic book for beginners to machine knitting. The patterns are written in chart form and include all the shapes you need to knit a complete set of classic knitwear for all the family.



These 22 easy-to-follow patterns with very simple shapes are ideal for the inexperienced knitter. Although produced for the Swissknitter machine, the patterns are suitable for most other machines.

Bramwell CHOICE · YARNS

F. W. Bramwell and Co. Ltd., Unit 5, Metcalf Drive, Altham Lane, Altham, Accrington, BB5 5TU. Tel: (0282) 79811

U.S.A. Sole Importer: Bramwell Yarns, P.O. Box 8244, Midland, Texas 79708 U.S.A.
Canadian Sole Importer: Westrade Sales Inc., 2711 No. 3 Road, Richmond B.C. V6X 2B2., Canada.
Australian Sole Importer: Elna Sewing Centre/Tessa B Knits, 98a Norma Road, Myaree, Fremantle, W. Australia.
Nederlands excl. importeur: Empisal Breimachine Imp. Ned., Molecatenlaan 8a, 7339 LM Apeldoorn, Holland.

Pattern 1

LADY'S FAIR ISLE CARDIGAN

This Fair Isle cardigan looks like it has plain body pieces and Fair Isle sleeves when in fact the body pieces are also Fair Isle — self coloured Fair Isle. Self coloured Fair Isle is knitted with a small all-over punchcard pattern with the same colour in feeder 2 as in feeder 1. The reason for knitting self-coloured Fair Isle is that it gives the impression of being plain but has the same feel and is the same weight as normal 2 colour Fair Isle — far more suitable for combining with a Fair Isle fabric than plain stockinet. Bear this in mind if you're considering using this unusual feature of Fair isle sleeves on a 'plain' body for any of your own designs.

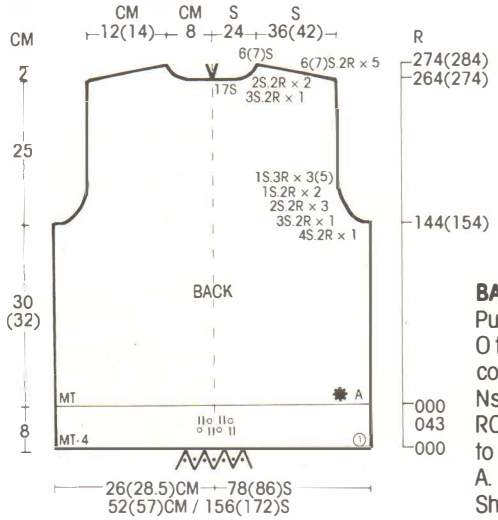
For Standard Gauge Punchcard & Electronic Machines with Ribbing Attachment.
We used a Knitmaster 700.

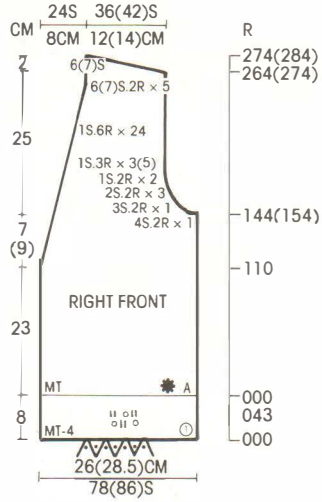
SIZES:
To fit 81-86(91-96) cms/32-34(36-38) inch bust.

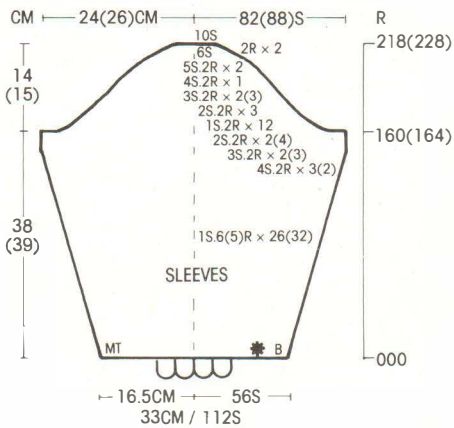
APPROXIMATE YARN TYPES AND AMOUNTS:
Knitmaster Aneto 4ply
Col 1 (Midnight) — 410(460) grms
Col 2 (Flame) — 90(110) grms
6 buttons.

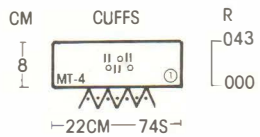
TENSIONS:
Self Coloured Fair Isle Pattern A — 30 sts and 48 rows to 10 cms. TD at approx. 6 (MT)
Fair Isle Pattern B — 34 sts and 42 rows to 10 cms. TD at approx. MT
2 × 2 Rib — 54 rows to 10 cms. TD's at approx. MT-4
2 × 2 Rib (over 18 Ns) — 45 rows to 10 cms. TD's at approx. MT-4

PATTERN NOTE:
Fair Isle Pattern A — see chart A. Col 1 in feeder 1 and feeder 2.
Fair Isle Pattern B — see chart B. Col 1 in feeder 1 and Col 2 in feeder 2.









BACK:
Push 78(86) Ns at left and right of centre O to WP. 156(172) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 2 × 2 rib. Using col 1, cast on. RC 000. MT-4, knit 43 rows. Transfer sts to knitter. RC 000. MT. Continue in Pattern A. Knit 144(154) rows.
Shape Armholes
Shape as shown on diagram. 120(132) sts. Knit to Row 264(274).
Shape Back Neck & Shoulder
Note pos in pattern. Shape as shown on diagram to Row 274(284). Cast off rem 6(7) sts. Keeping pattern correct, knit left part as for right part.

RIGHT FRONT:
Push 78(86) Ns at right of centre O to WP. Push corresponding Ns on ribber to WP. Arrange Ns for 2 × 2 rib. Using col 1, cast on. RC 000. MT-4, knit 43 rows. Transfer sts to knitter. RC 000. MT. Continue in Pattern A. Knit 110 rows.
Shape Front Edge
Shape as shown on diagram to Row 144(154).
Shape Armhole
Continue to shape front edge, AT THE SAME TIME shape armhole as shown on diagram. Knit to Row 264(274).
Shape Shoulder
Shape as shown on diagram to Row 274(284). Cast off rem 6(7) sts.

LEFT FRONT:
Knit as for Right Front but in reverse.

SLEEVES:
Push 56 Ns at left and right of centre O to WP. 112 Ns altog. Using waste yarn cast on. RC 000. MT. Continue in Pattern B and shape as shown on diagram. 164(176) sts. Knit to Row 160(164).
Shape Top
Shape as shown on diagram to Row 218(228). Cast off rem 20 sts.

CUFFS:
Arrange 74 Ns for 2 × 2 rib. Using col 1, cast on. RC 000. MT-4, knit 43 rows. Transfer sts to knitter. With wrong side of Sleeve facing, pick up sts from below waste yarn and place onto Ns gathering evenly. MT+2, knit 1 row. Cast off.

Continued on page 29

Pattern 1

LADY'S & MAN'S RIDGED SWEATER

Here's an interesting technique which can be used on standard gauge machines as well as chunkies. The ridges on these sweaters have been made by knitting a small group of the stitches on the machine, by hand for 6 rows, and then picking up the first of these rows knitted by hand to create a small hem, or ridge as we've called it. You can expand on this technique by introducing a different colour for each ridge and by varying the number of stitches you make them over.

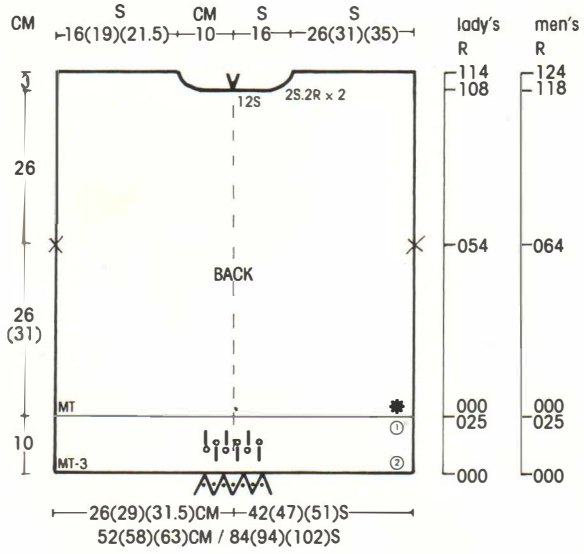
For 9mm Chunky Machines with Ribbing Attachment.

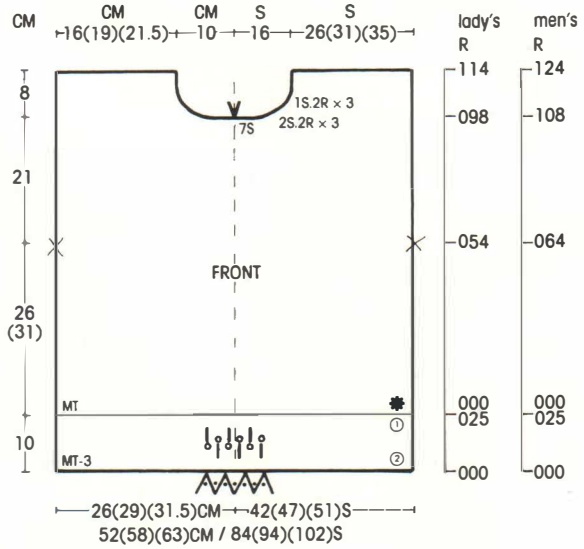
SIZES:
To fit 86-91(96-101)(106-112) cms/ 34-36(38-40)(42-44) inch bust/chest.

APPROXIMATE YARN TYPES AND AMOUNTS:
Yorkshire Mohair Mills 97% Wool 3% Cotton Designer Tweed.
Lady's Version
Col 1 (9T30) — 640(700)(760) grms
Col 2 (9T29) — 70(70)(70) grms
Man's Version
Col 1 (9T29) — 660(720)(780) grms
Col 2 (9T30) — 70(70)(70) grms

TENSIONS:
Stockinet — 16 sts and 21 rows to 10 cms. TD at approx. 7 (MT)
1 x 1 Rib — 24 rows to 10 cms. TD's at approx. MT-3.

PATTERN NOTE:
Stockinet with ridges.
Using col 2, knit 6 rows by hand over needles as shown on chart. Pick up loops from first row of col 2 and place onto corresponding Ns.





BACK:
Push 42(47)(51) Ns at left and right of centre O to WP. 84(94)(102) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 x 1 rib. Using col 2, cast on. RC 000. MT-3. Using col 1, knit 25 rows. Transfer sts to knitter. RC 000. MT. Continue in stockinet and ridge pattern, knit to Row 54 for lady's version 64 for man's version. Mark both ends with waste yarn. Knit to Row 108 for lady's version 118 for man's version.
Shape Back Neck
Shape as shown on diagram to Row 114 for lady's version 124 for man's version. Cast off rem 26(31)(35) sts. Knit left part as for right part.

FRONT:
Knit as for Back to Row 98 for lady's version 108 for man's version.
Shape Neck
Shape as shown on diagram. Knit to Row 114 for lady's version 124 for man's version. Cast off rem 26(31)(35) sts. knit left part as for right part.

Continued on page 28

Patterns 2 & 3

SYMBOLS FOR THE DIAGRAMS

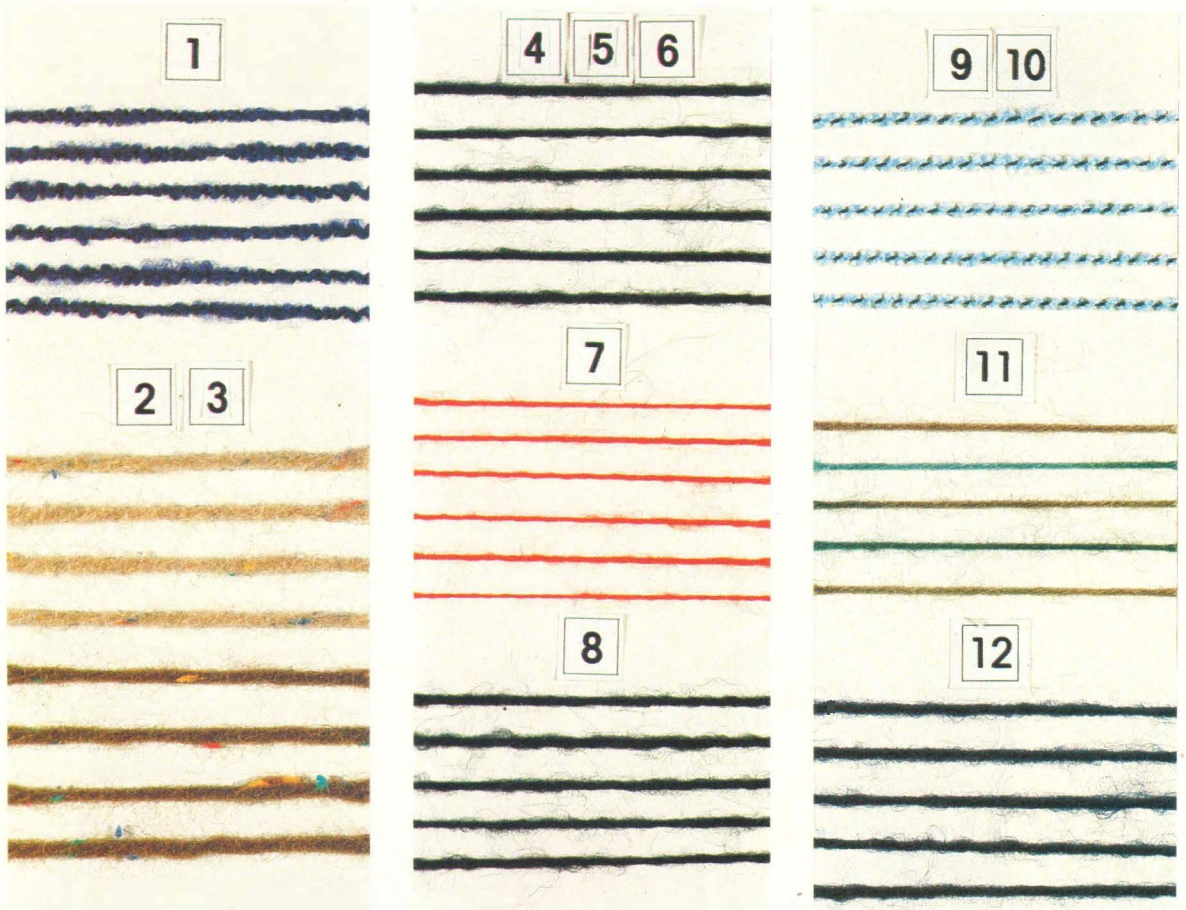
	Closed edge cast-on		Turn up a hem
	Cast-on using waste yarn	✱	Pattern stitch
	Closed edge cast-on with ribber	R	Row
	Loose row	MT	Main Tension
1 0 1 0 1	Needle arrangement 1 = needle in work position 0 = needle in non-work position		Divide work in half and knit each side separately
			Repeat
S =	Stitches		
( )	Larger sizes	2S.2R x 3	is an example of shaping instructions shown on the diagram. The shape of the diagram will indicate whether you are required to increase or decrease. 2S.2R x 3 would mean decrease (or increase) 2 stitches, knit 2 rows, 3 times in all.
①	Colour		

Abbreviations

Alt	— Alternate
Approx	— Approximately
Beg	— Beginning
Carr	— Carriage
Cm(s)	— Centimetre(s)
Col	— Colour
Dec	— Decrease
Ev	— Every
Foll	— Following
HP	— Holding Position
Inc	— Increase
MT	— Main Tension
N	— Needle
Ns	— Needles
NWP	— Non Working Position
Patt	— Pattern
Pos	— Position
Rept	— Repeat
Rem	— Remaining
RC	— Row Counter
St	— Stitch
Sts	— Stitches
TD	— Tension Dial
Tog	— Together
UWP	— Upper Working Position
WP	— Working Position

YARNS USED IN THE PATTERNS

For your reference we have included an actual size representation of the yarns we have used in the patterns this month. You may find it useful to see how each particular yarn looks before it has been knitted into a garment and it will be particularly useful when we haven't quoted a brand of yarn, simply a type of yarn.
Our overseas readers will also find it helpful since not all the yarns will be available in all countries. However, having said that, it will certainly be worthwhile writing to the spinners listed in our Stockist Information to see if there is an overseas mail order service available.



HOW TO WORK FROM A DIAGRAM PATTERN

The pattern instructions in Modern Knitting are in the form of a diagram pattern, which is by far the easiest form of knitting pattern to use. However, if you are not familiar with diagram patterns, Here's a step by step guide which will teach you to use this easy-to-follow pattern system. Study the symbols on next page carefully then work through the diagram following the written explanation alongside. You'll find it quite straightforward and, once you have knitted your first couple of patterns using this system, you'll wonder how you ever coped with those long winded written patterns.

First of all, take a look at the diagram itself. The diagram is divided into two halves. On the right side you'll find all the stitch and row references while on the left side you can see we've given all the measurements which will help you when pinning your knitted pieces out to size. In addition, you'll find certain items of information on the diagram such as the needle arrangement for the rib, the type of cast on you should do and any other relevant information you might need. As you can imagine, once you are familiar with this type of pattern, you'll be able to see at a glance just what's involved in the knitting of each design without having to read the whole pattern.

Starting at the lower edge, your first instruction is AAAA 60S. This tells you to cast on 60 stitches using the ribber.

tells you to arrange the needles for a 1 × 1 rib.

000 at the bottom right hand corner tells you to set your Row Counter to 000.

MT-3 tells you to set your Tension Dial to 3 numbers lower than the Main Tension.

The first row number given is 006, so knit to row 6.

The line across the diagram at row 6 tells you that you have finished knitting the rib, so transfer the stitches from the ribber to the main machine.

000 at the right hand edge tells you to turn your Row Counter back to 000.

MT tells you to set your Tension Dial to the Main Tension. Continue knitting until your next instruction which is on row 40.

The diagram pattern shows you that you are now at the stage for shaping the armholes. **Although the shaping instructions are shown on one side of the diagram only, they should be worked on both sides, since the diagram shows there is the same armhole shape on the left side.** If you find it easier to begin with, pencil in the same instructions on the left side to remind you that you have only been given the instructions for one armhole.

1S.1R×2 is the instruction.

1S tells you how many stitches to decrease.

1R tells you how many rows after each decrease.

×2 tells you how many times to decrease.

Therefore, 1S.1R×2 means:-

Decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit one row.

Decrease 1 stitch on both sides, knit 1 row.

The next instruction is 1S.2R×1. Therefore, decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit 2 rows.

The next instruction is 1S.3R×2.

Therefore, decrease 1 stitch on both sides (you are repeating the shaping instructions for the left armhole). Knit 3 rows.

Decrease 1 stitch on both sides. Knit 3 rows.

Your next instruction is not until Row 68 therefore knit to row 68 without shaping.

The diagram pattern shows you that you are now at the stage for shaping the neck.

The symbol V tells you to divide the work in half and knit each side separately.

Therefore, either push the needles at left into holding position, or knit them onto waste yarn and remove from the machine. Now knit the right side as follows: —

5 S tells you that 5 stitches form the base of the neckedge.

Therefore, using a length of main yarn, cast off 5 stitches.

Your next instructions are for the neck shaping

2S.2R × 1
1S.2R × 2
1S.1R × 1

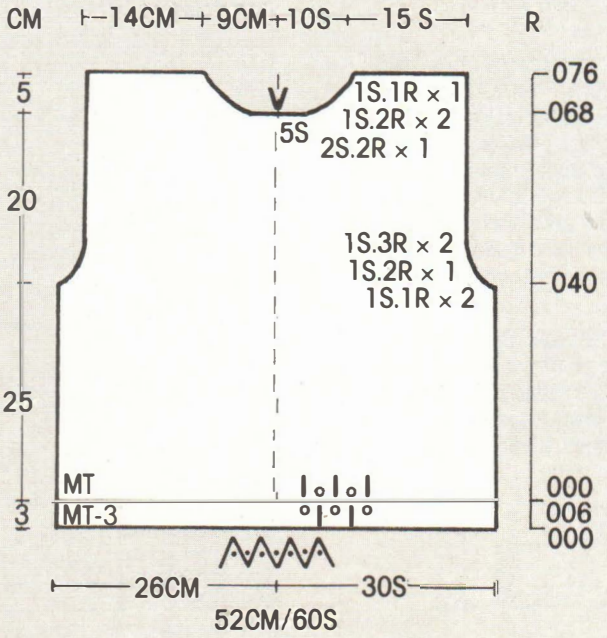
and should be carried out in the same way as before.

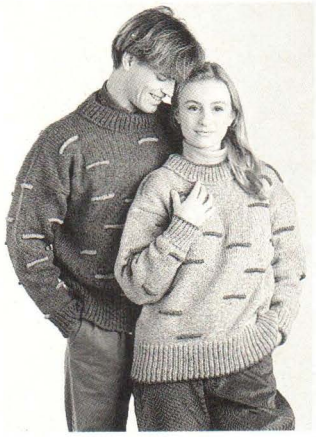
The last instruction is on row 76 where the straight line shows you should cast off the remaining 15 stitches.

Then, of course, you must turn the Row Counter back to 68 and knit the left half of the neck in the same way.

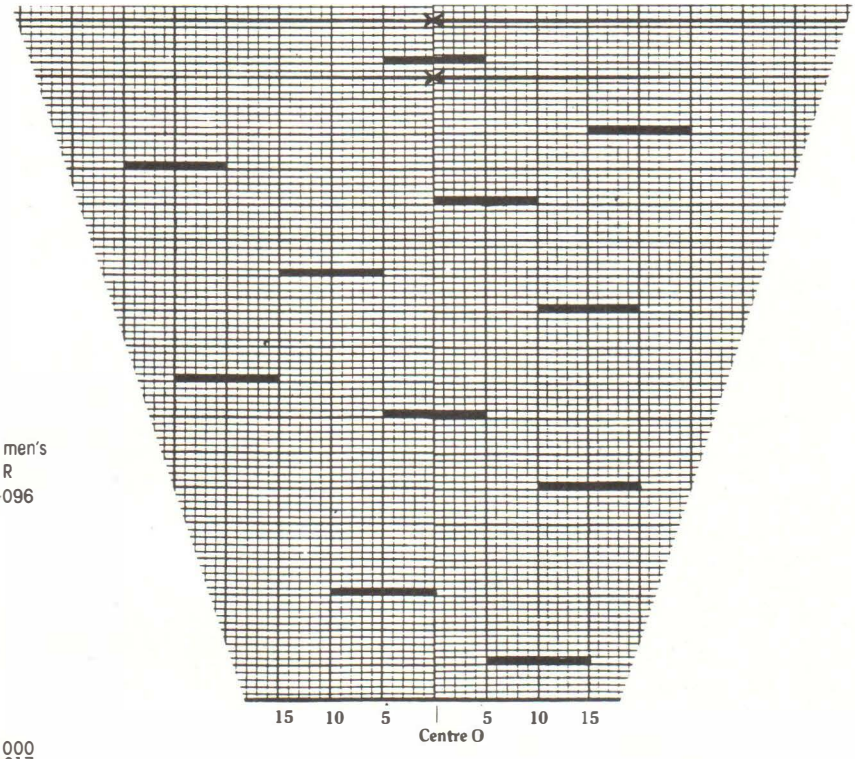
For those of you who are new to diagram patterns, the important points to remember are: —

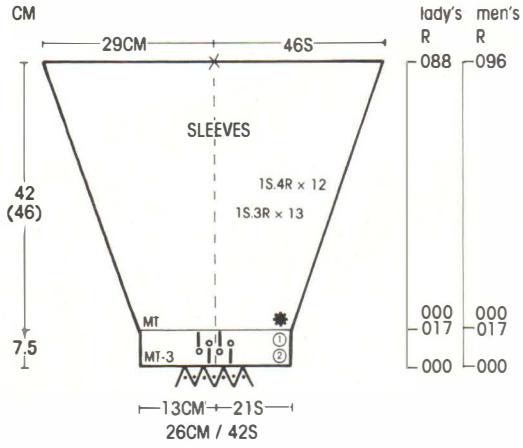
1. The stitch, row and shaping references are on the right half of the diagram.
2. Shaping instructions are given for the right side of the diagram only. They should be repeated on the left if the diagram shows there is the same shape on the left.
3. A shaping instruction such as 2S.1R × 3 means decrease 2 stitches, knit 1 row, 3 times in all.
4. Don't worry too much if you find you're the odd row or stitch out on your first couple of attempts. Nobody will notice and you'll soon get the hang of using diagram patterns and wonder how you ever managed without them.





Sleeves

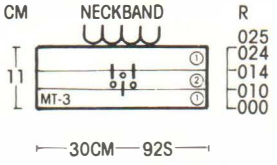




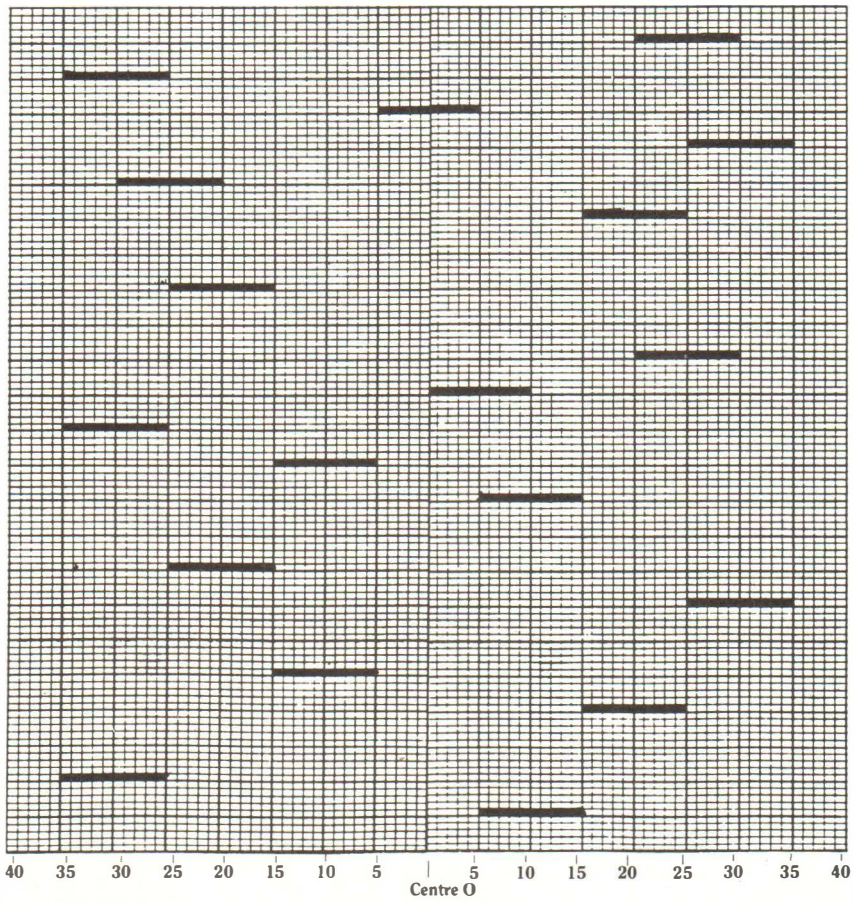
SLEEVES:
Push 21 Ns at left and right of centre O to WP. 42 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 2, cast on. RC 000. MT-3. Using col 1, knit 17 rows. Transfer sts to knitter. RC 000. MT. Continue in stockinet and ridge pattern and shape as shown on diagram. 92 sts. Knit to Row 88 for lady's version and 96 for man's version. Mark centre with waste yarn. Cast off.

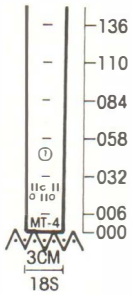
NECKBAND:
Pin out to size and steam carefully. Join one shoulder seam. Push 92 Ns to WP. With wrong side facing, pick up sts around neck edge and place onto Ns. MT. Using col 1, knit 1 row. Transfer sts to ribber for 1 × 1 rib. RC 000. MT-3, knit 10 rows. Using col 2, knit 4 rows. Using col 1, knit 10 rows. Transfer sts to knitter. Knit 1 row col 1. Cast off with waste yarn.

TO MAKE UP:
Join rem shoulder seam. Set in sleeves between marked points. Join side and sleeve seams. Join neckband seam. Fold in half and backstitch into pos. Sew in loose ends of ridges. Give final light steam.



Back & Front

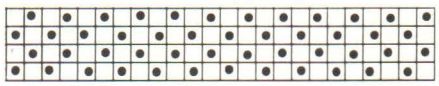




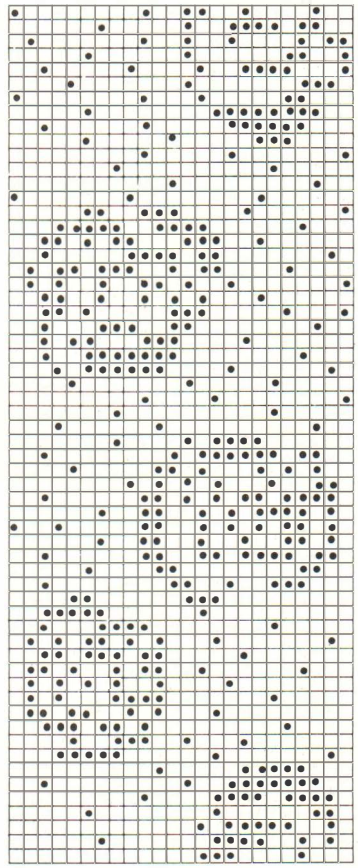
FRONT BAND:
Arrange 18 Ns for 2 × 2 rib. Using col 1, cast on. RC 000. MT-4, knit 6 rows. Make a buttonhole over centre 4 Ns. Knit to Row 32. Make a buttonhole over same Ns as before. Knit to Row 58. Make a buttonhole over same Ns as before. Knit to Row 84. Make a buttonhole over same Ns as before. Knit to Row 110. Make a buttonhole over same Ns as before. Knit to Row 136. Make a buttonhole over same Ns as before. Continue to knit until band is long enough to go along both front edges and across back of neck. Cast off.

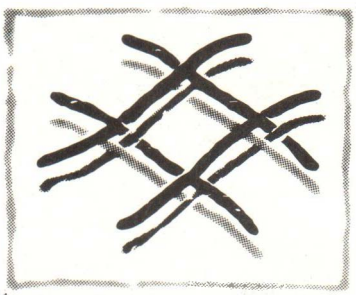
TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves. Join side and sleeve seams. Sew front band into pos. Finish buttonholes and sew on buttons to correspond. Give final light steam.

Pattern A



Pattern B





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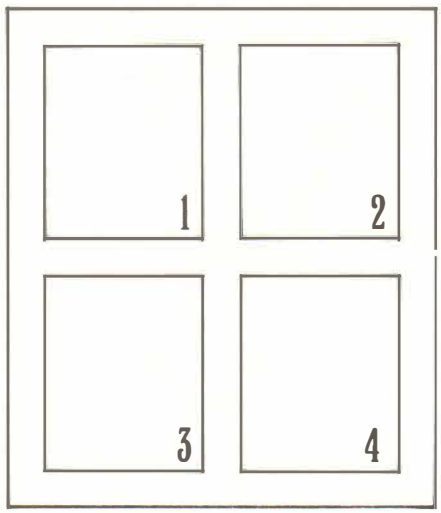
THE SWATCH SPOT

This month's Swatch Spot shows how Swiss darning in a contrast colour can completely alter the look of a two colour Fair Isle pattern. The Fair Isle designs featured in patterns 5 & 6 were inspired by old Turkish ceramic tiles and so lend themselves to being knitted in the rich shades of blue which we have used here. An alternative method of creating 3 colours in a row is to use a 3 colour slip stitch design. These particular fabrics are unsuitable for single-bed slip stitch work because the floats would be too long but you could produce 3 colour slip stitch versions if you use the ribber too, as explained in our feature on page 6.



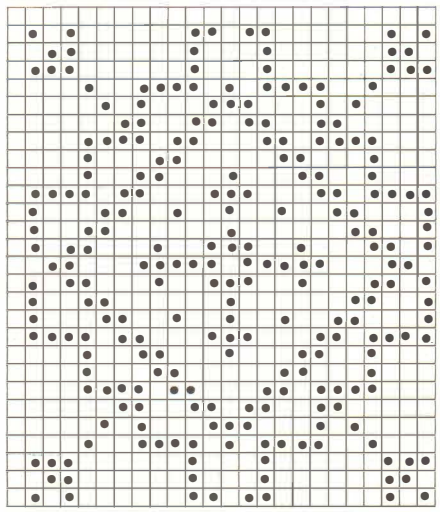
FABRIC INSTRUCTIONS:

Yarns:
Knitmaster Kone 4ply
Col 1 — Capri
Col 2 — Aran
Col 3 — Midnight

SWATCH 1 *(For Standard Gauge Punchcard Machines)*
Using col 1, cast on 30 sts at each side of centre O. 60 sts altog. Insert special card 1 and lock on row 1. Knit 20 rows stockinet and turn up a hem. Release card. Set carr for Fair Isle. *With col 1 in feeder 1 and col 2 in feeder 2, knit 27 rows. With col 1 in feeder 1 only, knit 1 row*. Rept from *to* for required length. Cast off. Using col 3, Swiss darn following chart A. Pin out and press.

SWATCH 2 *(For Standard Gauge Punchcard Machines)*
Using col 3, cast on 30 sts at each side of centre O. 60 sts altog. Insert special card 1 and lock on row 1. Knit 20 rows stockinet and turn up a hem. Release card. Set carr for Fair Isle. *With col 3 in feeder 1 and col 2 in feeder 2, knit 27 rows. With col 3 in feeder 1 only, knit 1 row*. Rept from *to* for required length. Cast off. Using col 1, Swiss darn following chart A. Pin out and press.

Card 1



Card 2

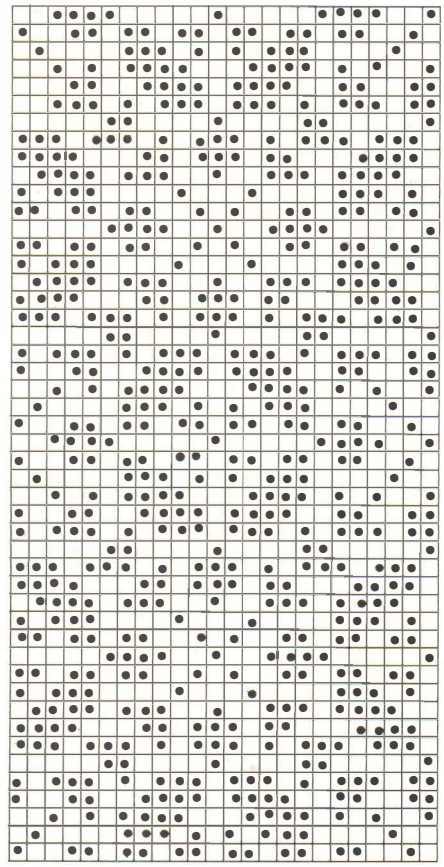


Chart A

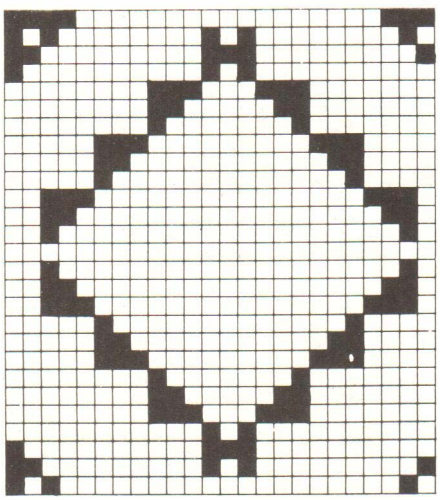


Chart B

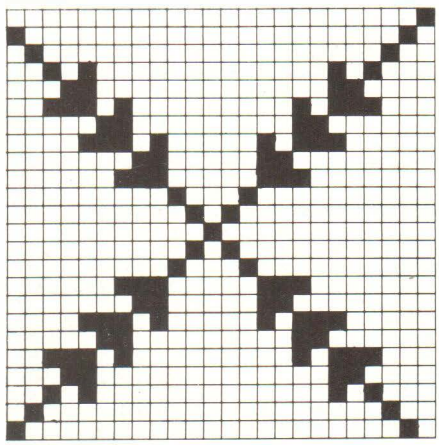
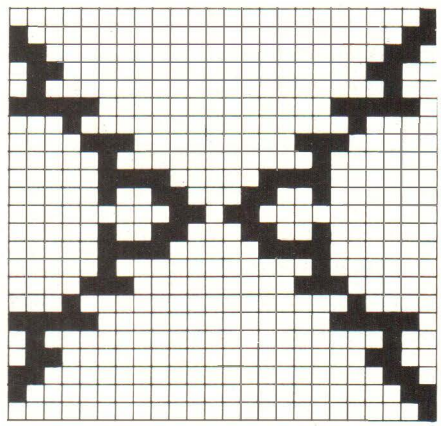


Chart C



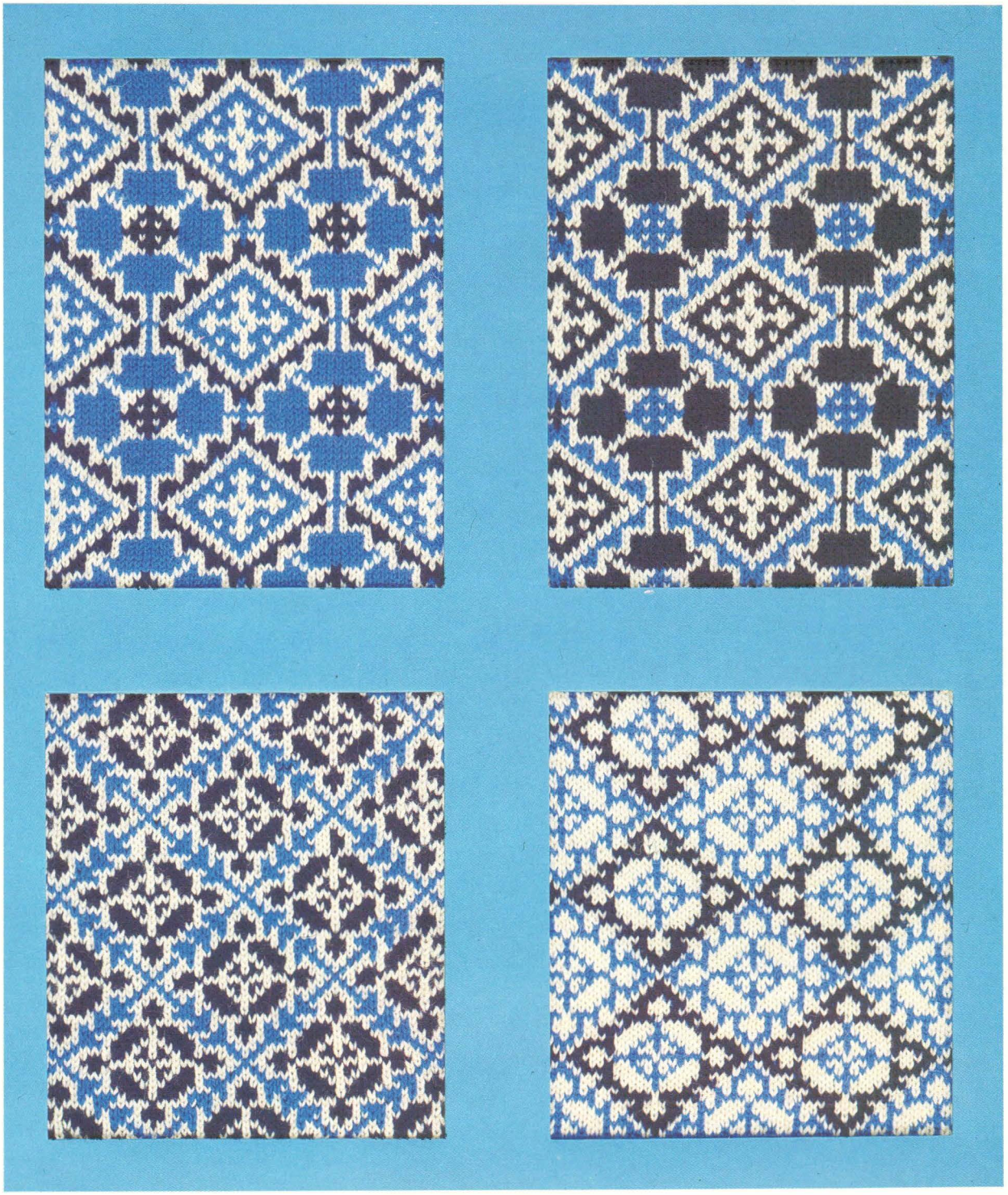
SWATCH 3 *(For Standard Gauge Punchcard Machines)*
Using col 2, cast on 30 sts at each side of centre O. 60 sts altog. Insert special card 2 and lock on row 1. Knit 20 rows stockinet and turn up a hem. Release card. Set carr for Fair Isle. With col 2 in feeder 1 and col 3 in feeder 2, knit to required length. Cast off. Using col 1, Swiss darn following chart B. Pin out and press.

SWATCH 4 *(For Standard Gauge Punchcard Machines)*
Using col 1, cast on 30 sts at each side of centre O. 60 sts altog. Insert special card 2 and lock on row 1. Knit 20 rows stockinet and turn up a hem. Release card. Set carr for Fair Isle. With col 1 in feeder 1 and col 2 in feeder 2, knit to required length. Cast off. Using col 3, Swiss darn following chart C. Pin out and press.

Swiss Darning

1. Bring need up through the base of chosen stitch.
2. Take it behind the base of stitch above chosen stitch.
3. Take needle back through base of chosen stitch.
4. Pull thread up to a suitable tension so that new stitch fits snugly over the previous one.

Repeat this to form any pattern using any colour.



Patterns 4, 5 & 6

Patterns 4, 5 & 6

Pattern 4

LADY'S BLACK AND CREAM CIRCULAR YOKE SWEATER

These three beautiful Fair Isle designs will be important additions to your Winter wardrobe. Knit them in your own choice of colours — many different combinations will work well for these designs, or even introduce some Swiss darning for a richer effect as we've shown in our Swatch Spot this month.

For Standard Gauge Punchcard & Electronic Machines with Ribbing Attachment.
We used a Knitmaster 700.

SIZES:
To fit 91-96(101-106) cms/36-38(40-42) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Knitmaster Kone 4ply
Col 1 (Black) — 1(2)(2) × 340 grm cone
Col 2 (Aran) — 1 × 340 grm cone

TENSIONS:
Fair Isle Pattern 2 — 32 sts and 40 rows to 10 cms. TD at approx. 6 (MT)
Fair Isle Pattern 1 — 32 sts and 37 rows to 10 cms. TD at approx. MT+•
1 × 1 Rib — 43 rows to 10 cms. TD's at approx. MT-5.

PATTERN NOTE:
Fair Isle — see punchcard charts.
Back, Front & Sleeves
Insert card 1 upside down and lock on marked row. Take carr across twice without knitting. Col 2 in feeder 1, knit 1 row.
Release card. Set carr for Fair Isle.
Col 2 in feeder 1, Col 1 in feeder 2, knit 5 rows.
Col 2 in feeder 1, knit 1 row.
Col 2 in feeder 1, Col 1 in feeder 2, knit 5 rows.
Col 1 in feeder 1, knit 1 row.
Col 2 in feeder 1, knit 2 raws.
Col 1 in feeder 1, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 1 row.
Col 1 in feeder 1, knit 1 row.
Col 2 in feeder 1, knit 2 rows.
Col 1 in feeder 1, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 9 rows.
Col 1 in feeder 1, knit 1 row.
Col 2 in feeder 1, knit 2 rows.
Col 1 in feeder 1, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 1 row.
Col 1 in feeder 1, knit 1 row.
Col 2 in feeder 1, knit 2 rows.
Col 1 in feeder 1, Col 2 in feeder 2, knit 6 rows.
Remove card. Insert card 2 and lock on Row 1. Set carr for stockinet. Col 1 in feeder 1, knit 2 rows. Release card. Set carr for Fair Isle. MT.
*Col 1 in feeder 1, Col 2 in feeder 2, knit 2 rows.
Col 1 in feeder 1, knit 2 rows*. Rept from *to* to end.

YOKE
Pattern A
Insert card 1 and lock on Row 1. Take carr across twice without knitting.
Col 1 in feeder 1, knit 1 row. Release card.
Set carr for Fair Isle.
Col 1 in feeder 1, Col 2 in feeder 2, knit 6 rows.
Col 2 in feeder 1, knit 2 rows.
Col 1 in feeder 1, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 1 row.
Col 1 in feeder 1, knit 1 row.
Col 2 in feeder 1, knit 1 row. Note pos in pattern.

Pattern B
Set card on row noted in Pattern A (do not lock).
Col 2 in feeder 1, knit 1 row. Col 1 in feeder 1, knit 1 row.
Set carr for Fair Isle.
Col 1 in feeder 1, Col 2 in feeder 2, knit 9 rows.
Col 1 in feeder 1, knit 1 row.
Col 2 in feeder 1, knit 2 rows.
Col 1 in feeder 1, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 1 row.
Col 1 in feeder 1, knit 1 row.
Col 2 in feeder 1, knit 1 row. Note pos in pattern.

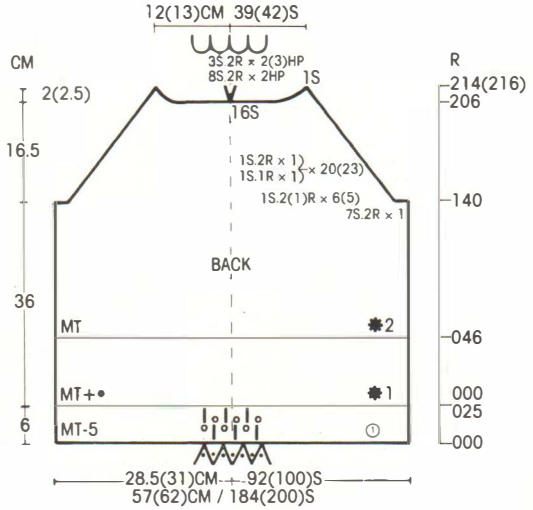
Pattern C
Set card on row noted in Pattern B (do not lock).
Col 2 in feeder 1, knit 1 row.
Col 1 in feeder 1, knit 1 row.
Set carr for Fair Isle.
Col 2 in feeder 1, Col 1 in feeder 2, knit 5 rows.
Col 2 in feeder 1, knit 1 row.
Col 2 in feeder 1, Col 1 in feeder 2, knit 5 rows.
Set carr for stockinet.
Col 2 in feeder 1, knit 2 rows.

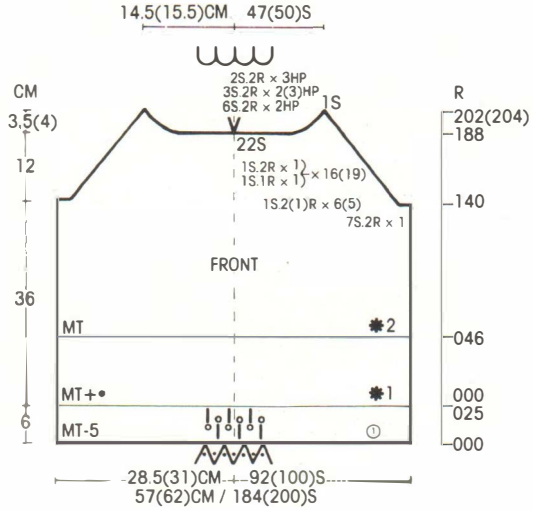
BACK:
Push 92(100) Ns at left and right of centre O to WP. 184(200) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 25 rows. Transfer sts to knitter. RC 000. MT+•. Continue in Pattern given in note. Knit to Row 140.
Shape Raglan Armholes
Shape as shown on diagram to Row 206.
Shape Back Neck
Note pos in pattern. Set carr for partial knitting. Push Ns at left and 16 Ns at right of centre O to HP. Continue to shape raglan edge as shown on diagram, AT THE SAME TIME push Ns shown on diagram to HP. RC 214(216). Fasten off rem st. Take carr to left. Bring Ns at left back to WP except the first 16 Ns at left of centre O. Keeping pattern correct, knit left part as for right part. Push all Ns to UWP. Continue in stockinet. Knit 1 row col 1. Cast off with waste yarn.

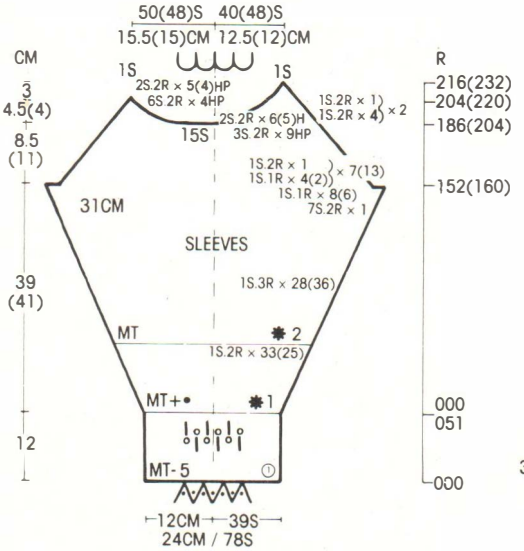
FRONT
Knit as for Back to Row 188.
Shape Neck
Note pos in pattern. Set carr for partial knitting. Push Ns at left and 22 Ns at right of centre O to HP. Continue to shape raglan edge as shown on diagram, AT THE SAME TIME push Ns shown on diagram to HP. RC 202(204). Fasten off rem st. Take carr to left. Bring Ns at left back to WP except the first 22 Ns at left of centre O. Keeping pattern correct, knit left part as for right part. Push all Ns to UWP. Continue in stockinet. Knit 1 row col 1. Cast off with waste yarn.

RIGHT SLEEVE
Push 39 Ns at left and right of centre O to WP. 78 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on and knit circular rows in reverse. RC 000. MT-5, knit 51 rows. Transfer sts to knitter. RC 000. MT+•. Continue in Pattern given in note and shape as shown on diagram to row 152(160). 200 sts.
Shape Raglan Top
Shape as shown on diagram to Row 186(204). Note pos in pattern. Set carr for partial knitting. Push Ns at left of centre O to HP. Continue to shape raglan edge as shown on diagram, AT THE SAME TIME push Ns shown on diagram to HP. RC 216(232). Fasten off rem st. Take carr to left. Bring Ns at left back to WP except the first 15 Ns at left of centre O. Keeping pattern correct, continue to shape raglan edge as shown on diagram, AT THE SAME TIME push Ns shown on diagram to HP. RC 204(220). Fasten off rem st. Continue in stockinet. Knit 1 row col 1. Mark centre with waste yarn. Cast off with waste yarn.

LEFT SLEEVE
Knit as for Right Sleeve but in reverse.







TO MAKE UP
Pin out to size and steam carefully. Join raglan seams.

FRONT YOKE
Part A
Push 96 Ns at left and right of centre O to WP. 192 Ns altog. With wrong side of front facing, pick up sts below waste yarn across front and half of sleeves between marked points and place onto Ns increasing as necessary. RC 000. MT+•. Continue in Pattern A, knit 13 rows. Continue in stockinet. Using waste yarn, knit several rows and release from machine.

BACK YOKE
Part A
Push 84 Ns at left and right of centre O to WP. 168 Ns altog. With wrong side of back facing, pick up sts below waste yarn, across back and half of sleeves between marked points and place onto Ns increasing as necessary. RC 000. MT+•. Continue in Pattern A, knit 13 rows. Continue in stockinet. Using waste yarn, knit several rows and release from machine.

FRONT YOKE
Part B
Push 68 Ns at left and right of centre O to WP. 136 Ns altog. With wrong side of front facing, pick up sts below waste yarn and place onto Ns gathering evenly. Reset RC to 13. Continue in Pattern B, knit 18 rows. Continue in stockinet. Using waste yarn, knit several rows and release from machine.

BACK YOKE
Part B
Push 58 Ns at left and right of centre O to WP. 116 Ns altog. With wrong side of back facing, pick up sts from below waste yarn and place onto Ns gathering evenly. Reset RC to 13. Continue in Pattern B, knit 18 rows. Continue in stockinet. Using waste yarn, knit several rows and release from machine.

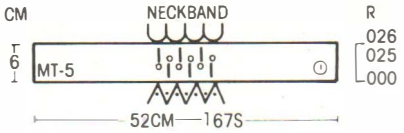
FRONT YOKE
Part C
Push 39 Ns at left and right of centre O to WP. 78 Ns altog. With wrong side of front facing, pick up sts below waste yarn and place onto Ns gathering evenly. Reset RC to 31. Continue in Pattern C, knit 15 rows. Cast off.

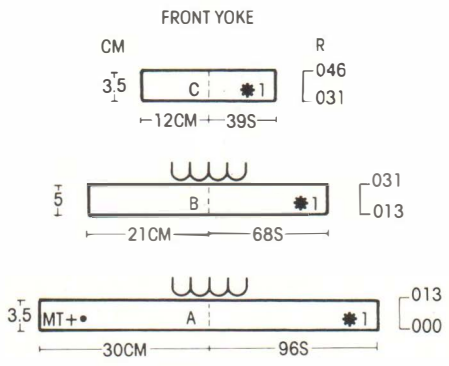
BACK YOKE
Part C
Push 32 Ns at left and right of centre O to WP. 64 Ns altog. With wrong side of back facing, pick up sts below waste yarn and place onto Ns gathering evenly. Reset RC to 31. Continue in Pattern C, knit 15 rows. Cast off.

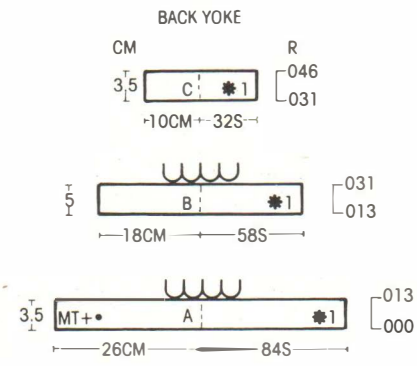
NECKBAND
Arrange 167 Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 25 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

TO COMPLETE MAKE UP
Pin out yoke to size and steam carefully. Join yoke, side and sleeve seams, reversing half of cuff seam. Fold cuff in half onto the outside. Backstitch neckband into pos and join centre back seam. Fold in half and catch down on inside. Give final light steam.

Continued on page 37







Pattern 5

BLACK & CREAM PANELLED SWEATER

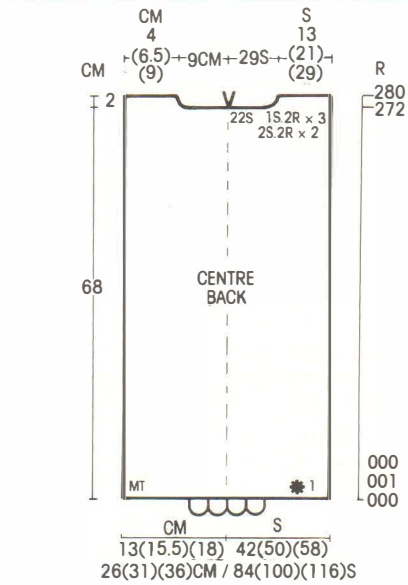
For Standard Gauge Punchcard & Electronic Machines with Ribbing Attachment.
We used a Knitmaster 700.

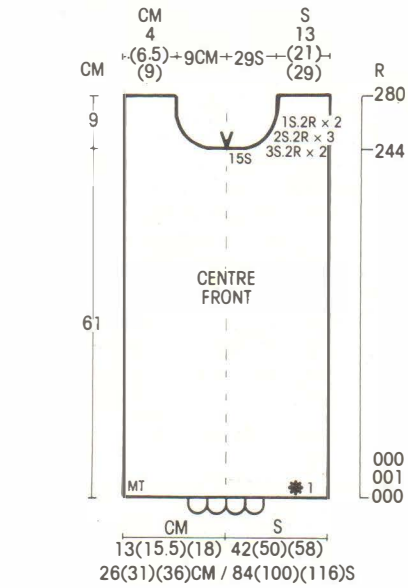
SIZES:
To fit 86-91(96-101)(106-112) cms/ 34-36(38-40)(42-44) inch bust.

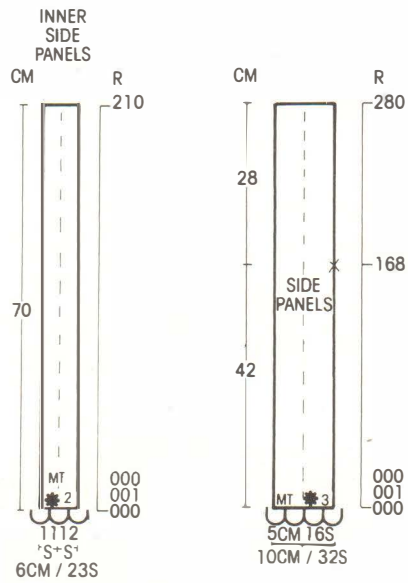
APPROXIMATE YARN TYPES AND AMOUNTS:
Knitmaster Kone 4ply
Col 1 (Black) — 1(2)(2) × 340 grm cones
Col 2 (Aran) — 1 × 340 grm cone

TENSIONS:
Fair Isle Pattern 1 and 3 — 32 sts and 40 rows to 10 cms. TD at approx. 6 (MT)
Fair Isle Pattern 2 — 30 rows to 10 cms. (measured over 23 Ns) TD at approx. MT
1 × 1 Rib — 43 rows to 10 cms. TD's at approx. MT-5

PATTERN NOTE:
Fair Isle Pattern 1 — see chart.
*With Col 1 in feeder 1 and Col 2 in feeder 2, knit 27 rows.
With Col 1 in feeder 1 only, knit 1 row*.
Rept from *to* throughout.
Fair Isle Pattern 2 — Col 1 in feeder 1 and Col 2 in feeder 2.
Fair Isle Pattern 3 — Col 1 in feeder 1 and Col 2 in feeder 2.







CENTRE BACK PANEL:
Push 42(50)(58) Ns at left and right of centre O to WP. 84(100)(116) Ns altog. Using waste yarn cast on and knit several rows ending with carr at left. RC 000. MT. Using col 1, knit 1 row stockinet. Carr at right. RC 000. Continue in Pattern 1, knit to Row 272.
Shape Back Neck
Note pos in pattern. Shape as shown on diagram to Row 280. Cast off rem 13(21)(29) sts. Keeping pattern correct, knit left part as for right part.

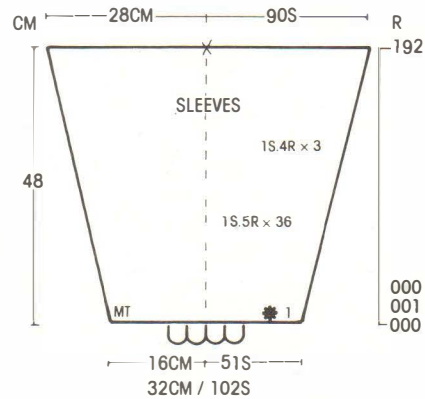
CENTRE FRONT PANEL:
Knit as for Centre Back Panel to Row 244.
Shape Neck
Note pos in pattern. Shape as shown on diagram. Knit to Row 280. Cast off rem 13(21)(29) sts. Keeping pattern correct, knit left part as for right part.

INNER SIDE PANELS (knit 4):
Push 11 Ns at left and 12 Ns at right of centre O to WP. 23 Ns altog. Using waste yarn cast on and knit several rows ending with carr at left. RC 000. MT. Using col 1, knit 1 row stockinet. Carr at right. RC 000. Continue in Pattern 2, knit to Row 210. Cast off.

SIDE PANELS (knit 4):
Push 16 Ns at left and right of centre O to WP. 32 Ns altog. Using waste yarn cast on. RC 000. MT. Using col 1, knit 1 row stockinet. Carr at right. RC 000. Continue in Pattern 3, knit to Row 168. Mark right edge on 2 pieces (left edge on 2 pieces) with waste yarn. Knit to Row 280. Cast off.

SLEEVES:
Push 51 Ns at left and right of centre O to WP. 102 Ns altog. Using waste yarn cast on. RC 000. MT. Using col 1, knit 1 row stockinet. Carr at right. RC 000. Continue in Pattern 1 and shape as shown on diagram to Row 192. 180 sts. Mark centre with waste yarn cast off.

TO MAKE UP:
Pin out to size and steam carefully.



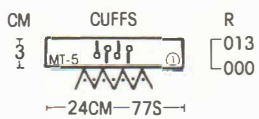
Pattern 5

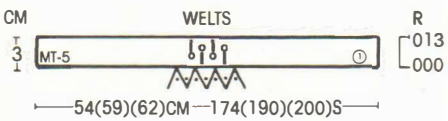
CUFFS:
Arrange 77 Ns for 1 × 1 rib. Using col 1, cast on and knit circular rows in reverse. RC 000. MT-5, knit 13 rows. Transfer sts to knitter. With wrong side of Sleeve facing, pick up sts from below waste yarn and place onto Ns gathering evenly. MT+2, knit 1 row. Cast off.

BACK WELT:
Join Inner Side Panels to either side of Back. Join Side Panels to either side of Inner Side Panels. Arrange 174(190)(200) Ns for 1 × 1 rib. Using col 1, cast on and knit circular rows in reverse. RC 000. MT-5, knit 13 rows. Transfer sts to knitter. With wrong side of Back facing, pick up sts from below waste yarn and place onto Ns gathering evenly. MT+2, knit 1 row. Cast off. Rept for front welt.

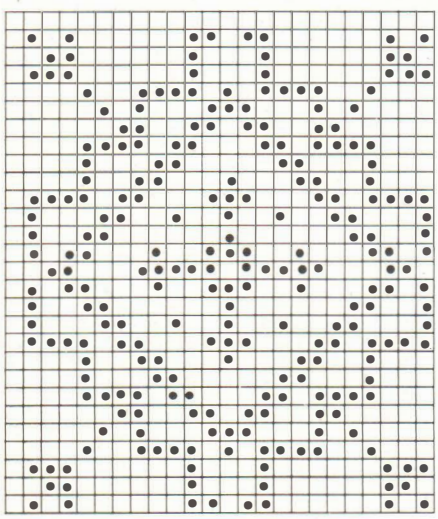
POLO NECK:
Arrange 174 Ns for 1 × 1 rib. Using col 1, cast on and knit circular rows in reverse. RC 000. MT-5, knit 86 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

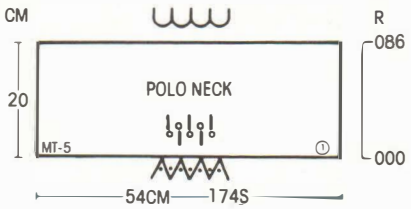
TO COMPLETE MAKE UP:
Join shoulder seams. Set in sleeves between marked points. Join side and sleeve seams. Backstitch polo neck into pos and join centre back neck seam. Fold in half onto the outside. Give final light steam.



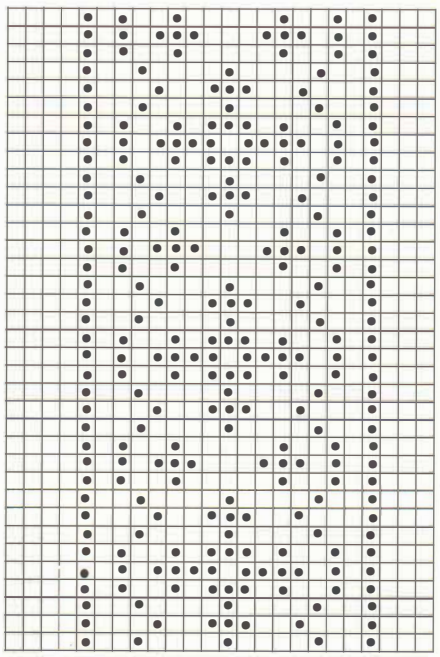


Card 1

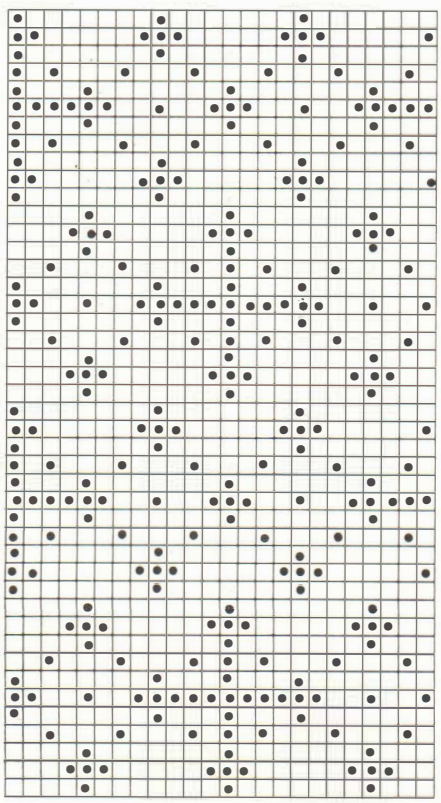




Card 2



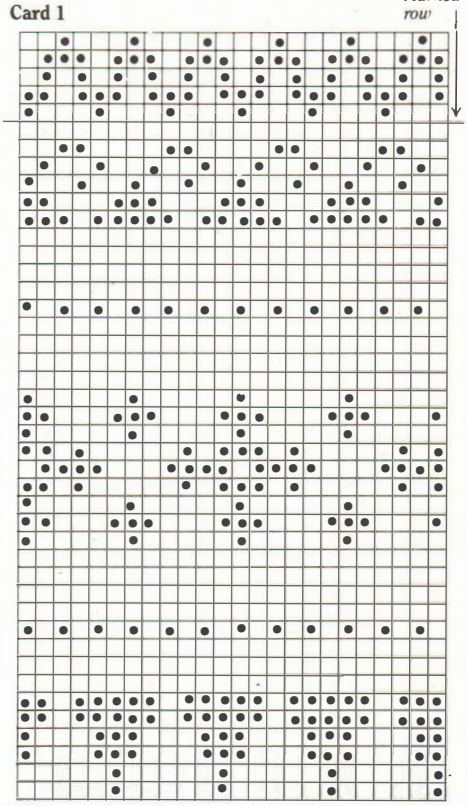
Card 3



Pattern 4 *continued*

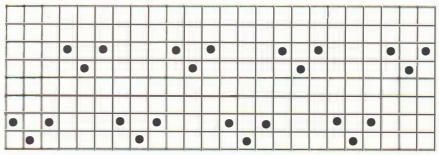
Card 1

Marked row



Card 2

Repeat 5 more times



Pattern 6

BLACK & CREAM FAIR ISLE CARDIGAN

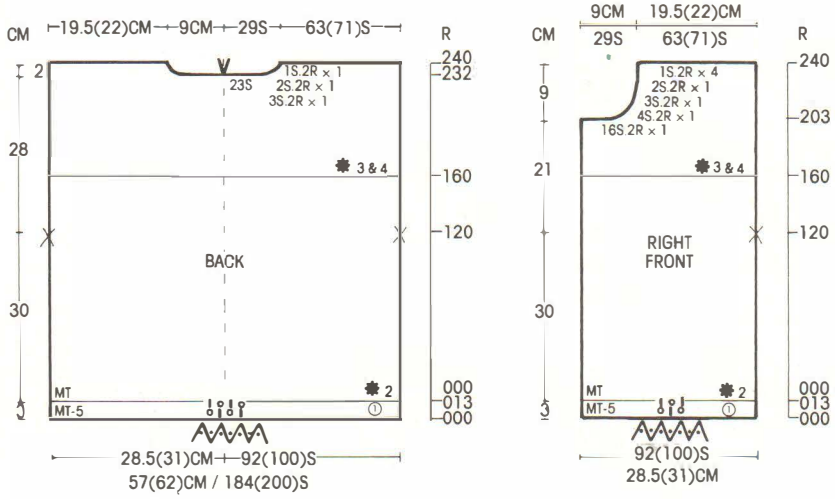
For Standard Gauge Punchcard & Electronic Machines with Ribbing Attachment.
We used a Knitmaster 700.

SIZES:
To fit 86-91(96-101) cms/34-36(38-40) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Knitmaster Kone 4ply
Col 1 (Black) — 1(2)(2) × 340 grm cone
Col 2 (Aran) — 1 × 340 grm cone
6 silver clasps M17 from Button Box

TENSIONS:
Fair Isle Pattern 2 — 32 sts and 40 rows to 10 cms. TD at approx. 6 (MT)
Fair Isle Pattern 4 — 32 sts and 40 rows to 10 cms. TD at approx. MT
Front Bands over Pattern 1 — 30 sts to 10 cms. TD at approx. MT
1 × 1 Rib — 43 rows to 10 cms. TD's at approx MT-5

PATTERN NOTE:
Fair Isle Pattern 1 — see chart.
Insert special card 1 and lock on row 1.
Col 1 in feeder 1 only, knit 1 row.
Col 2 in feeder 1 only, knit 1 row.
Col 1 in feeder 1 only, knit 2 rows.
Release card. Set carr for Fair Isle. Col 1 in feeder 1 and Col 2 in feeder 2, knit 13 rows.
Lock card. Set carr for stockinet.
Col 1 in feeder 1 only, knit 2 rows.
Col 2 in feeder 1 only, knit 1 row.
Col 1 in feeder 1 only, knit 2 rows.
Fair Isle Pattern 2 — see chart 2.
Insert special card 2 and lock on row 1.
Take carr across twice without knitting.
Release card. Set carr for Fair Isle.
*Col 1 in feeder 1, Col 2 in feeder 2, knit 3 rows.
Col 1 in feeder 1 only, knit 2 rows*. Rept from *to*.
Fair Isle Pattern 3 & 4 — see charts 3 & 4
Attach card 3 to bottom of card 4. Insert card and lock on row 1. Take carr across twice without knitting. Release card.
Set carr for Fair Isle.
Col 1 in feeder 1, Col 2 in feeder 2.
Continue to knit until card has gone around far enough to remove card 3 and rejoin card 4. Continue in card 4 to end.

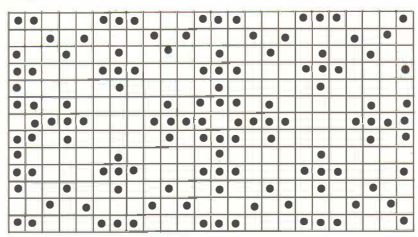


BACK:
Push 92(100) Ns at left and right of centre 0 to WP. 184(200) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 13 rows. Transfer sts to knitter. RC 000. MT. Continue in Pattern 2. Knit to Row 120. Mark both ends with waste yarn. Knit to Row 160. Continue in Pattern 3 & 4. Knit to Row 232.
Shape Back Neck
Note pos in pattern. Shape as shown on diagram to Row 240. Cast off rem 63(71) sts. Keeping pattern correct, knit left part as for right part.

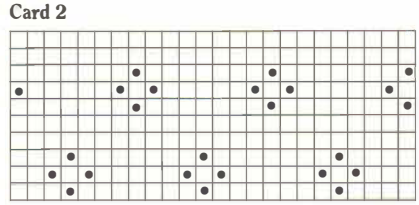
RIGHT FRONT:
Push 92(100) Ns at right of centre 0 to WP. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 13 rows. Transfer sts to knitter. RC 000. MT. Continue in Pattern 2. Knit to Row 120. Mark right edge with waste yarn. Knit to Row 160. Continue in Pattern 3 & 4. Knit to Row 203.
Shape Neck
Shape as shown on diagram. Knit to Row 240. Cast off rem 63(71) sts.

LEFT FRONT:
Knit as for Right Front but in reverse.

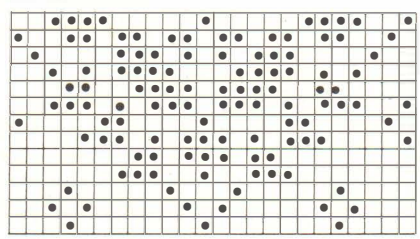
Card 1



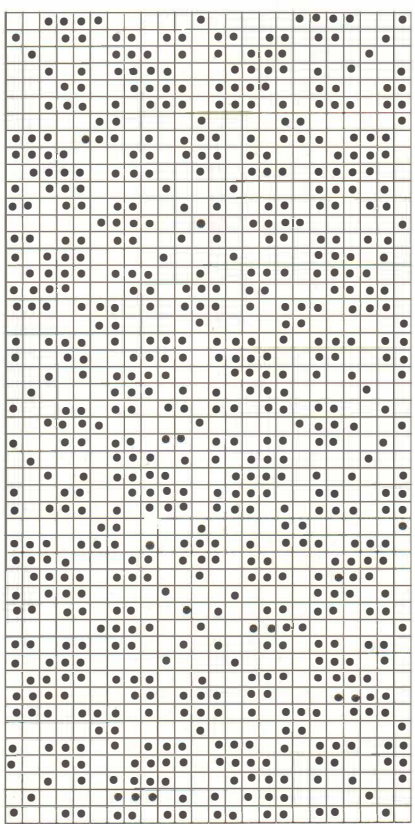
Card 2

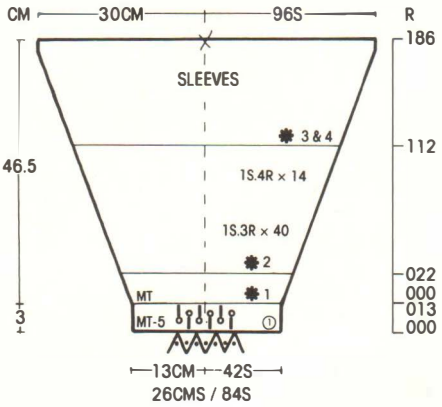


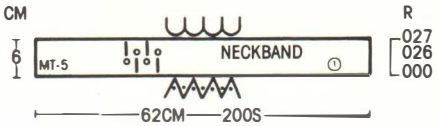
Card 3

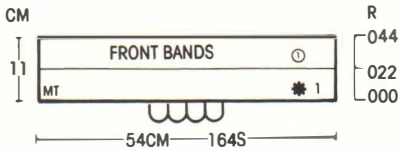


Card 4









SLEEVES:
Push 42 Ns at left and right of centre O to WP. 84 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 13 rows. Transfer sts to knitter. RC 000. MT. Continue in Pattern 1. Shape as shown on diagram, AT THE SAME TIME change Patterns an Rows shown on diagram. 192 sts. Knit to Row 186. Mark centre with waste yarn. Cast off.

NECKBAND:
Arrange 200 Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 26 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

FRONT BANDS:
Push 82 Ns at left and right of centre O to WP. 164 Ns altog. Using waste yarn cast on. RC 000. MT. Continue in Pattern 1, knit 22 rows. Continue in stockinet col 1. Knit 24 rows. Cast off.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between marked paints. Join side and sleeve seams. Backstitch front bands into pos, fold in half and catch down on the inside. Backstitch neckband into pos, fold in half and catch down on the inside. Sew on clasps. Give final light steam.

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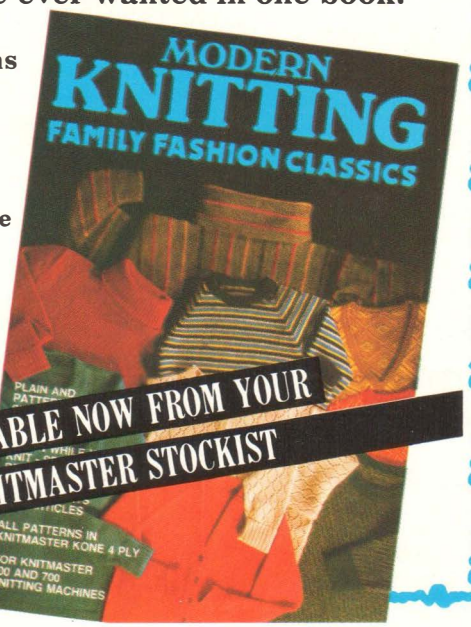

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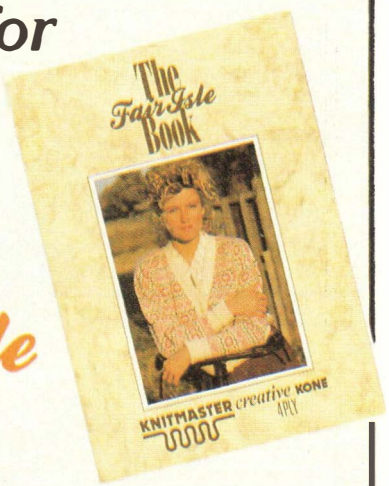

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Pattern 7

STRIPED CARDIGAN

This cardigan has a rather unusual neckline — low and scooped at the back and deeply plunging at the front. This not only gives it a pretty, feminine look but also makes it reversible. Wear it with the plunging V at the back for evening wear, perhaps with a beautiful necklace hanging into the V at your back, or the way we've shown it with a scoop neck blouse or maybe even a classic leotard.

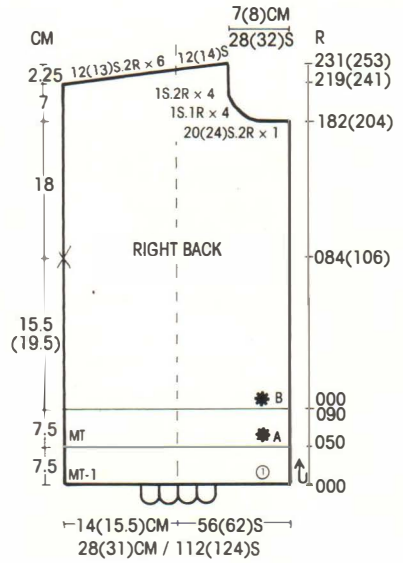
For Standard Gauge Punchcard & Electronic Machines.
We used a Knitmaster Zippy Deluxe.

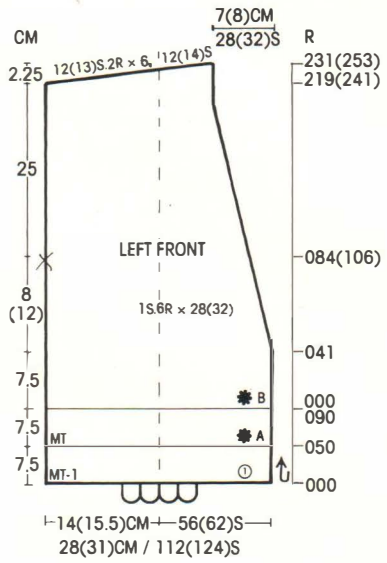
SIZES:
To fit 86-91(96-101) cms/
34-36(38-40) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
King Cole Anti-Tickle 2ply
Col 1 (Aran) — 1 × 250 grm cone
Col 2 (Fuschia) — 1 × 250 grm cone
Col 3 (Gold) — 1 × 250 grm cone
6 small buttons.

TENSIONS:
Fair Isle — 40 sts and 54 rows to 10 cms.
TD at approx. 3 (MT)
Stockinet — 40 sts and 68 rows to 10 cms.
TD at approx. MT-1

PATTERN NOTE:
Fair Isle Pattern A — see chart A.
Col 2 in feeder 1, Col 3 in feeder 2, knit 10 rows.
Col 3 in feeder 1, Col 1 in feeder 2, knit 10 rows.
Col 1 in feeder 1, Col 2 in feeder 2, knit 10 rows.
Col 2 in feeder 1, Col 3 in feeder 2, knit 10 rows.
Fair Isle Pattern B — see chart B.
MT-1. Col 1 in feeder 1 only, knit 16 rows.
Col 2 in feeder 1 only, knit 1 row.
MT. Col 2 in feeder 1, Col 3 in feeder 2, knit 5 rows.
MT-1. Col 2 in feeder 1 only, knit 1 row.
Col 1 in feeder 1 only, knit 16 rows.
MT. Col 2 in feeder 1, Col 3 in feeder 2, knit 10 rows.
Rept the last 49 rows throughout.
Fair Isle Pattern C — see chart C
Col 2 in feeder 1, Col 3 in feeder 2, knit 5 rows.





RIGHT BACK:
Push 56(62) Ns at left and right of centre O to WP. 112(124) Ns altog. Using waste yarn cast on. RC 000. MT-1. Using col 1, knit 50 rows. MT. Continue in Fair Isle Pattern A, knit 40 rows. Turn up a hem. RC 000. Continue in Fair Isle Pattern B, knit 84(106) rows. Mark left edge with waste yarn. Knit to Row 182(204).
Shape Neck
Shape as shown on diagram. Knit to Row 219(241).
Shape Shoulder
Shape as shown on diagram to Row 231(253). Cast off rem 12(14) sts.

LEFT BACK:
Knit as for Right Back but in reverse.

LEFT FRONT:
Knit as for Right Back to Row 41 after hem.
Shape Front Edge
Shape as shown on diagram, AT THE SAME TIME mark left edge with waste yarn when RC shows 84(106). RC 219(241).
Shape Shoulder
Shape as shown on diagram to Row 231(253). Cast off rem 12(14) sts.

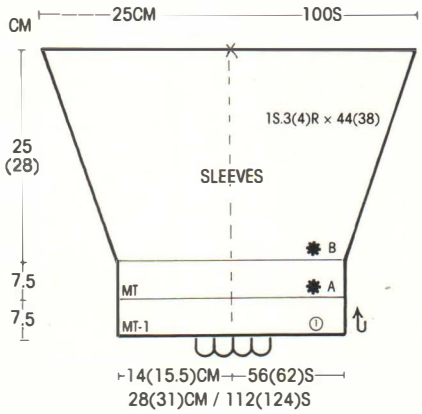
RIGHT FRONT:
Knit as for Left Front but in reverse.

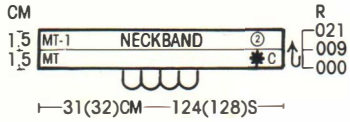
SLEEVES:
Push 56(62) Ns at left and right of centre O to WP. 112(124) Ns altog. Using waste yarn cast. RC 000. MT-1. Using col 1, knit 50 rows. MT. Continue in Fair Isle Pattern A, knit 40 rows. Turn up a hem. RC 000. Continue in Fair Isle Pattern B and shape as shown on diagram to Row 135(152). 200 sts. Mark centre with waste yarn. Cast off.

TO MAKE UP:
Pin out to size and steam carefully. Join centre back seam.

BACKNECK BAND:
Push 124(128) Ns to WP. *Using waste yarn cast on. RC 000. MT. Using col 2, knit 2 rows. Continue in Pattern C, knit 5 rows. Using col 2, knit 2 rows stockinet. MT-1. Knit to Row 21. Turn up a hem*. With wrong side of Back facing, pick up sts around neck edge and place onto Ns. MT+4, knit 1 row. Cast off.

Continued on page 44

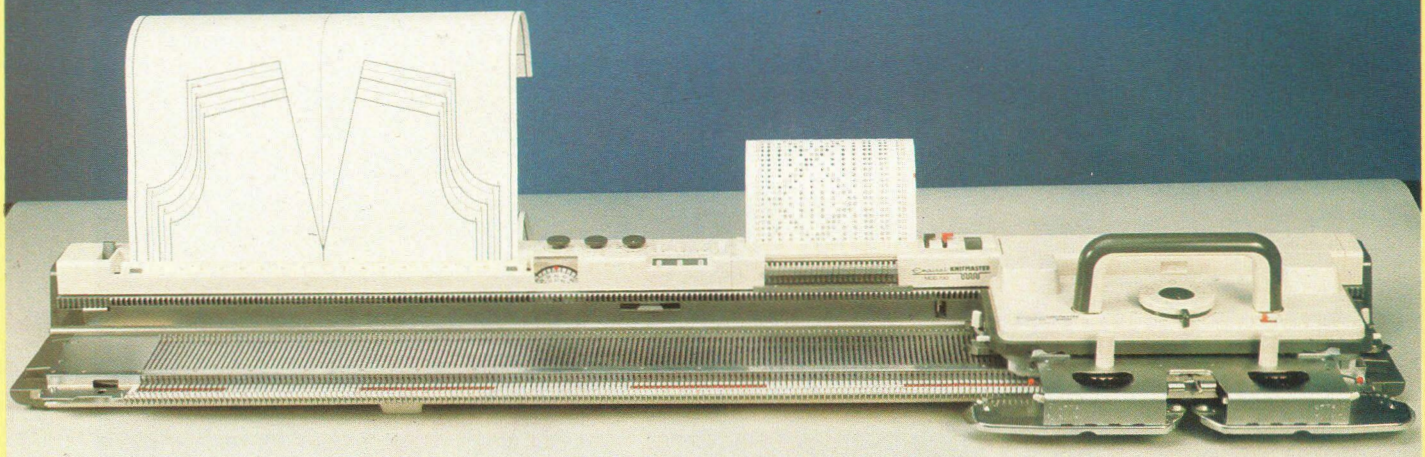




Pattern 7

KNITMASTER'S 700K

THE VERY BEST IN PUNCHCARD KNITTING



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Knitmaster's 700K The Very Best in Punchcard Knitting

Knitmaster's 700K is a top specification standard gauge punchcard machine. It has the exclusive Knitmaster Masterglide action which makes knitting smoother, quieter and easier than you ever though possible.

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Knitmaster's 700K has 200 needles and comes with its own carry case, a fully equipped built in tool box, row counter, 20 punchcards and a fully comprehensive instruction manual —ideally suited for beginners and experts alike.

With Knitmaster's 700K, you can knit 2ply, 3ply and 4ply plain or fancy yarns in a whole range of stitches — including intarsia, since this top-of-the-range Knitmaster includes intarsia as standard.

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With Knitmaster's 700K, the cast on is automatic while the Carriage Release Lever will automatically get you out of any jam. And because the 700 patterns with its needles in lower working position, you need never worry about damaging exposed needles or getting caught up in them yourself. With the one touch stitch selector you can produce all these stitches.

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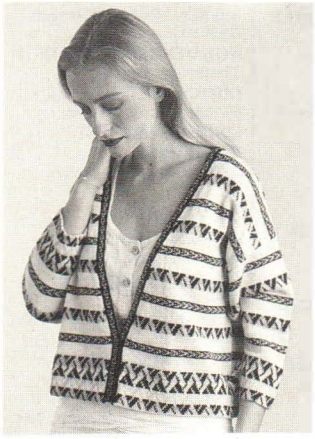
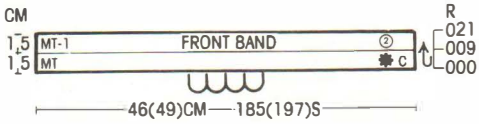
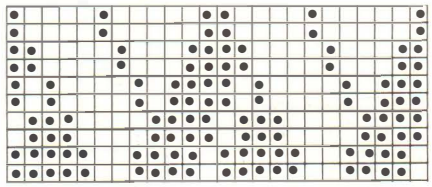


FRONT BANDS:
Push 185(197) Ns to WP. Knit as for Backneck Band from *to*. With wrong side of Front facing, pick up sts along front edge and place onto Ns. MT+4, knit 1 row. Cast off. Rept for second front.

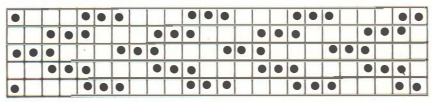
TO COMPLETE MAKE UP:
Join shoulder and band seams. Set in sleeves between marked points. Join side and sleeve seams. Overlap bands up to beginning of front shaping and sew buttons through both layers of bands. Give final light steam.



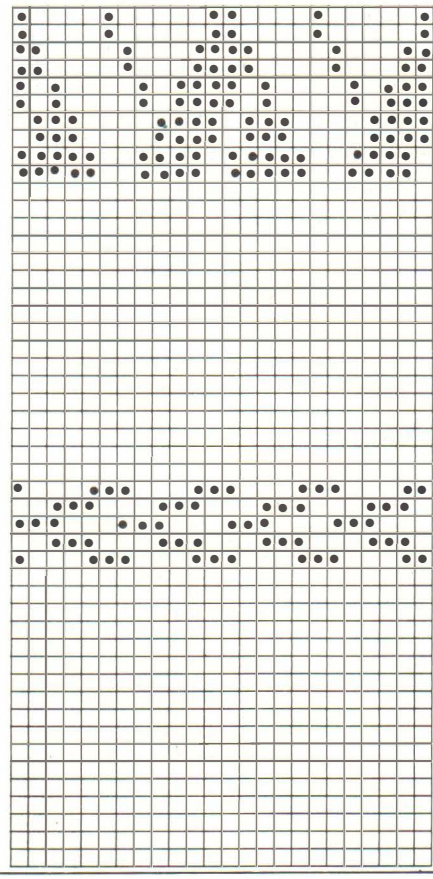
Pattern A
Repeat twice more



Pattern C



Pattern B



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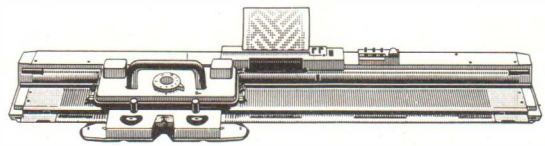

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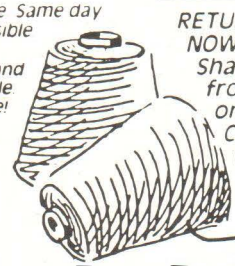

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Pattern 8

BLACK SWEATER WITH GRAPE BORDER

This pattern will introduce you to an interesting technique which involves knitting extra rows by hand into a Fair Isle design to create a 3 dimensional effect. Try knitting a sample piece, working your way through the Pattern Note so you can familiarise yourself with this fascinating effect.

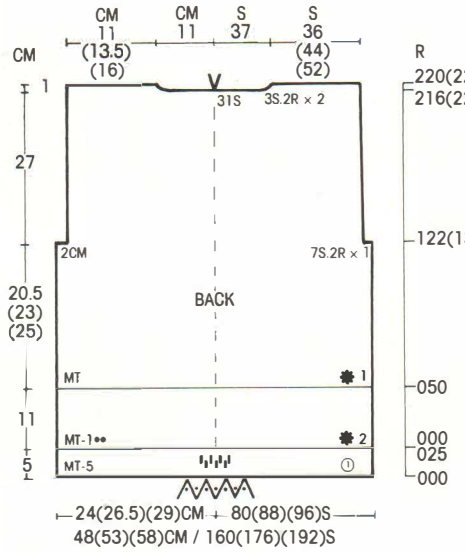
For Standard Gauge Punchcard & Electronic Machines with Ribbing Attachment.
We used a Knitmaster 700

SIZES:
To fit 81-86(91-96)(101-106) cms/ 32-34(36-38)(40-42) inch bust.

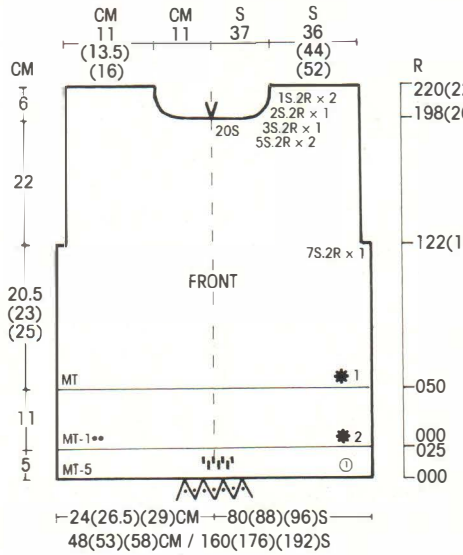
APPROXIMATE YARN TYPES AND AMOUNTS:
Col 1 (Black) — 490(520)(550) grms (Knitmaster Kone 4ply)
Col 2 (Hibisus) — small amount (Knitmaster Aneto 4ply)
Col 3 (Winter Green) — small amount (Knitmaster Aneto 4ply)
Col 4 (Butterfly) — small amount (Knitmaster Kone 4ply)
Red; Blue & Copper Fabric Paints.

TENSIONS:
Pattern 1 — 33 sts and 35 rows to 10 cms. TD at approx. 7 (MT)
Pattern 2 — 33 sts and 45 rows to 10 cms. TD at approx. MT-1••
Double Rib — 50 rows to 10 cms. TD's at approx. MT-5

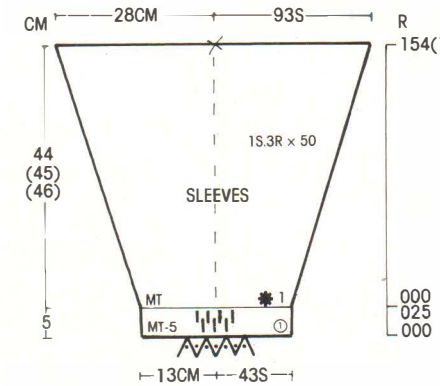
PATTERN NOTE:
Pattern 1 — Self Coloured Fair Isle. See chart 1. Col 1 in feeder 1 and feeder 2.
Pattern 2 — See chart 2.
Insert card 2 and lock on row 1.
Col 1 in feeder 1 only, knit 2 rows.
Col 2 in feeder 1 only, knit 2 rows.
Col 1 in feeder 1 only, knit 2 rows.
Col 3 in f der 1 only, knit 4 rows.
Col 1 in f der 1 only, knit 2 rows.
Col 2 in feeder 1 only, knit 2 rows.
Release card. Set carr for Fair Isle.
Col 1 in feeder 1, Col 2 in feeder 2, knit 2 rows.
Col 1 in feeder 1 only, knit 4 rows.
Col 1 in f der 1, Col 4 in feeder 2, knit 1 row.
Using small balls of Col 4 knit 6 rows by hand over st in Col 4 to make grape bobbles.
Knit 2 rows. Knit 6 rows by hand over second grape.
Knit 2 rows. Knit 6 rows by hand over third and fourth grape.
Knit 2 rows. Knit 6 rows by hand over fifth grape.
Knit 2 rows. Knit 6 rows by hand over sixth grape.
Knit 1 row.
Col 1 in feeder 1 only, knit 4 rows.
Col 1 in feeder 1, Col 2 in feeder 2, knit 2 rows.
Lock card. Set carr for stockinet.
Col 2 in feeder 1 only, knit 2 rows.
Col 1 in feeder 1 only, knit 2 rows.
Col 3 in feeder 1 only, knit 4 rows.
Col 1 in f der 1 only, knit 2 rows.
Col 2 in feeder 1 only, knit 2 rows.
Col 1 in feeder 1 only, knit 2 rows.



BACK:
Push 80(88)(96) Ns at left and right of centre O to WP. 160(176)(192) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for double rib. Using col 1, cast on. RC 000. MT-5, knit 25 rows. Transfer sts to knitter. RC 000. MT-1 ••. Continue in Pattern 2, knit 50 rows. MT. Continue in Pattern 1, knit to Row 122(130)(138).
Shape Armholes
Shape as shown on diagram. 146(162)(178) sts. Knit to Row 216(224)(232).
Shape Back Neck
Note pos in pattern. Shape as shown on diagram to Row 220(228)(236). Cast off rem 36(44)(52) sts. Keeping pottern correct, knit left part as for right part.



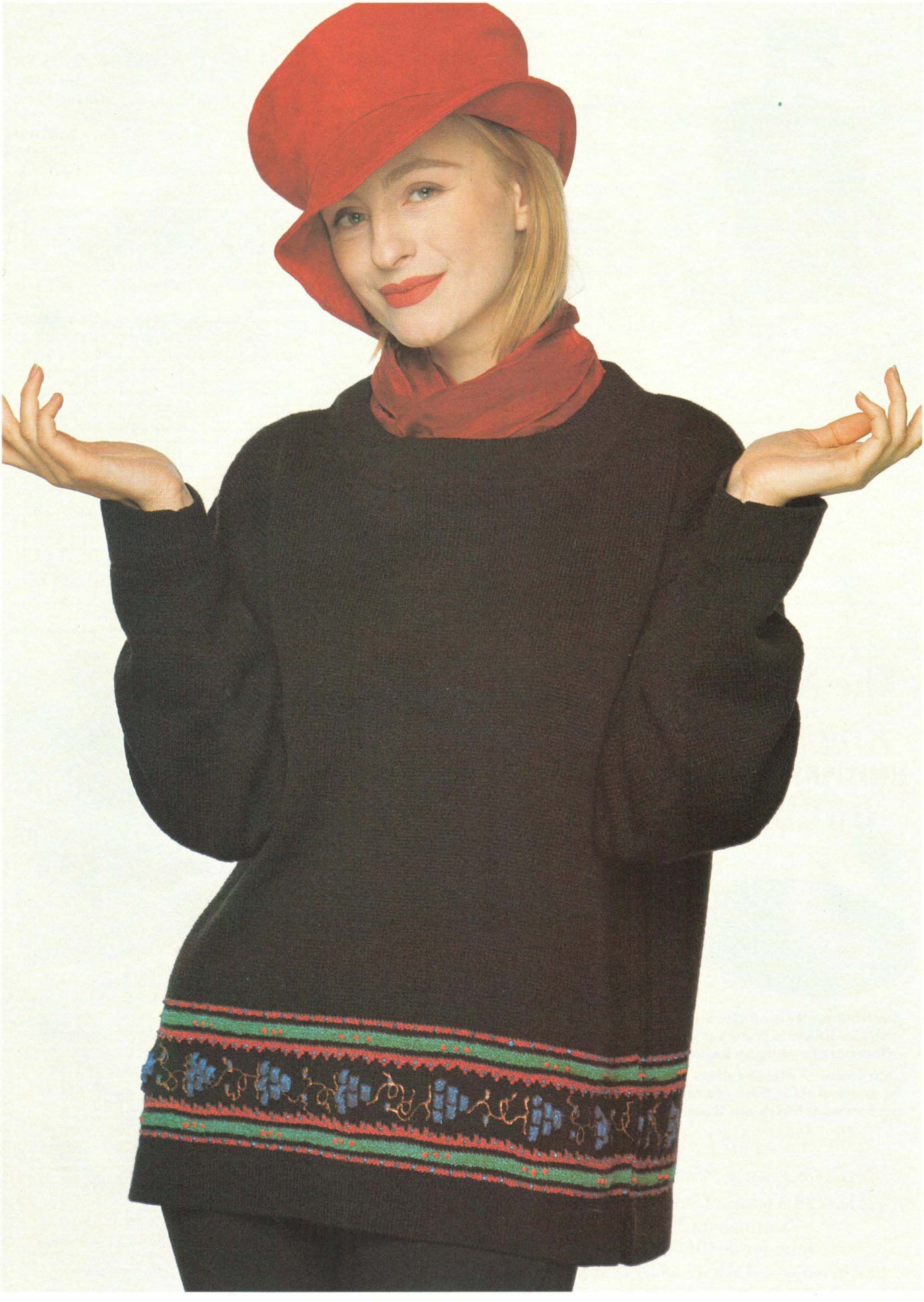
FRONT:
Knit as for Back to Row 198(206)(214).
Shape Neck
Note pos in pattern. Shape as shown on diagram. Knit to Row 220(228)(236). Cast off rem 36(44)(52) sts. Keeping pattern correct, knit left part as for right part.

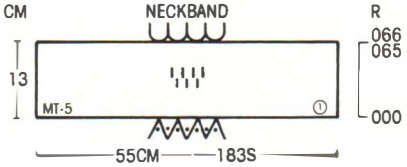


SLEEVES:
Push 43 Ns at left and right of centre O to WP. 86 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for double rib. Using col 1, cast on. RC 000. MT-5, knit 25 rows. Transfer sts to knitter. RC 000. MT. Continue in Pattern 1 and shape as shown on diagram. 186 sts. Knit to Row 154(158)(160). Mark centre with waste yarn. Cast off.

Continued on page 48

Pattern 8

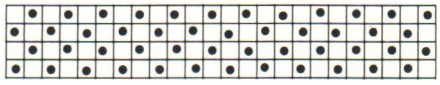




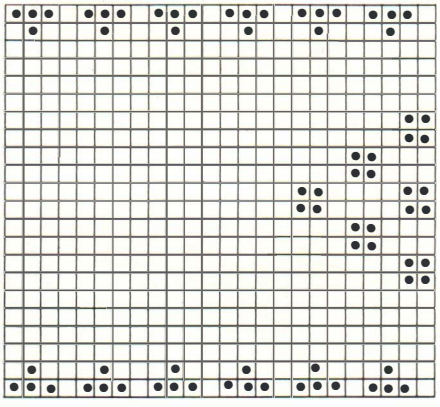
NECKBAND:
Arrange 183 Ns for double rib. Using col 1, cast on. RC 000. MT-5, knit 65 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves. Join side and sleeve seams. Backstitch neckband into pos and join centre back neck seam. Fold in half and catch down on the inside. Using blue fabric paints, paint dots along first and last rows in col 2. Using red fabric paints, paint dots along rows knitted in col 3. Using blue fabric paints highlight edges of grapes. Using copper fabric paint, paint in vines between bunches of grapes as shown.

Pattern 1



Pattern 2



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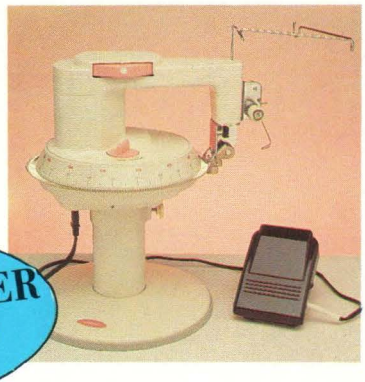

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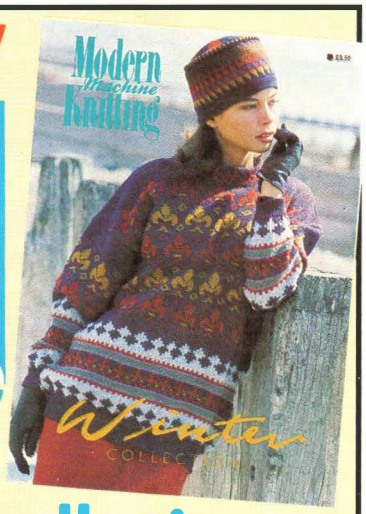

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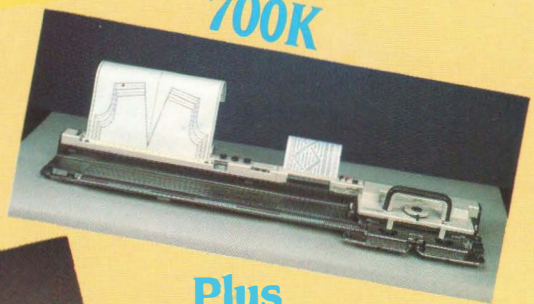

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Patterns 9 & 10

BLUE SWEATER

This sweater and cardigan have been carefully designed so they work well as two separate items or can be worked together as a classic twinset. Either way, you'll find that two such well designed, classic patterns will be extremely useful, Summer and Winter alike and for many years to come.

For Standard Gauge Machines with Ribbing Attachment.
We used a Knitmaster 700

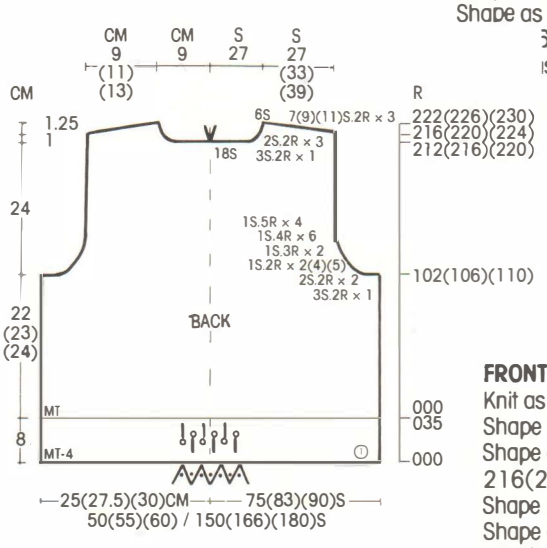
SIZES:
To fit 81-86(91-96)(101-106) cms/ 32-34(36-38)(40-42) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Knitmaster Blackjack
Col 1 (Cloud Blue) — 225(265)(315) grms

TENSIONS:
Stockinet — 30 sts and 46 rows to 10 cms. TD at approx. 5 (MT)
1 × 1 Rib — 44 rows to 10 cms. TD's at approx. MT-4

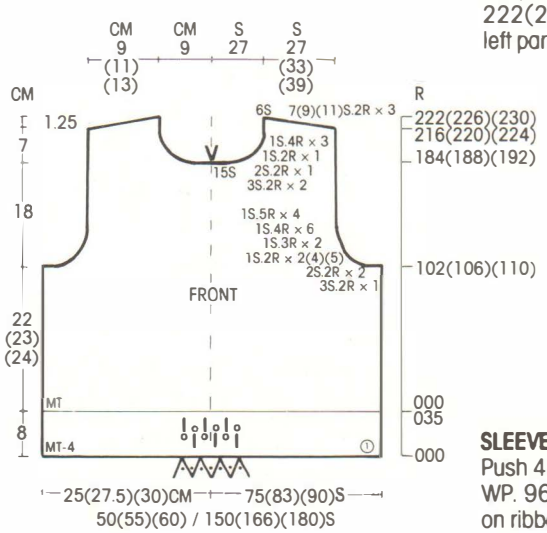
PATTERN NOTE:
Stockinet.

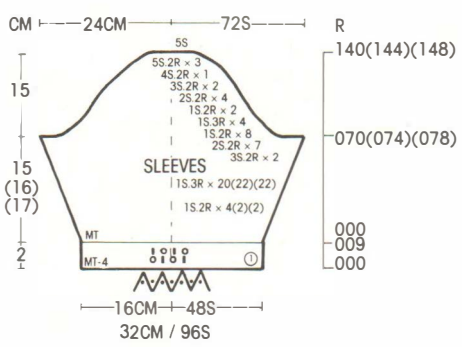
BACK:
Push 75(83)(90) Ns at left and right of centre O to WP. 150(166)(180) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-4, knit 35 rows. Transfer sts to knitter. RC 000. MT. Knit 102(106)(110) rows.



Shape Armholes
Shape as shown on diagram. 108(120)(132) sts. Knit to Row 212(216)(220).
Shape Back Neck
Shape as shown on diagram to Row 216(220)(224).
Shape Shoulder
Shape as shown on diagram to Row 3)(230). Cast off rem 6 sts. Knit is for right part.

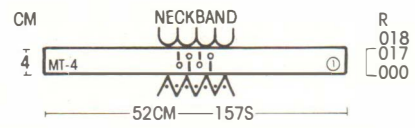
FRONT:
Knit as for Back to Row 184(188)(192).
Shape Neck
Shape as shown on diagram. Knit to Row 216(220)(224).
Shape Shoulder
Shape as shown on diagram to Row 222(226)(230). Cast off rem 6 sts. Knit left part as for right part.





SLEEVES:
Push 48 Ns at left and right of centre O to WP. 96 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-4, knit 9 rows. Transfer sts to knitter. RC 000. MT. Shape as shown on diagram. 144 sts. Knit to Row 70(74)(78).
Shape Top
Shape as shown on diagram to Row 140(144)(148). Cast off rem 10 sts.

NECKBAND:
Arrange 157 Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-4, knit 17 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.



TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves. Join side and sleeve seams. Backstitch neckband into pos and join centre back neck seam. Fold in half and catch down on the inside. Give final light steam.

Pattern 10

BLUE CARDIGAN

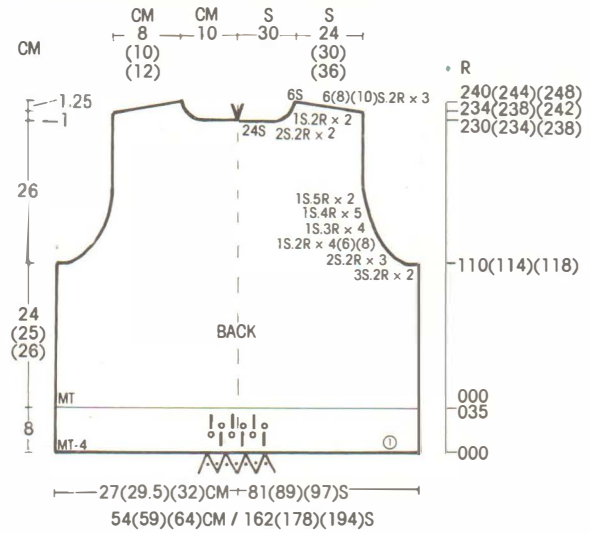
For Standard Gauge Machines with Ribbing Attachment.
We used a Knitmaster 700.

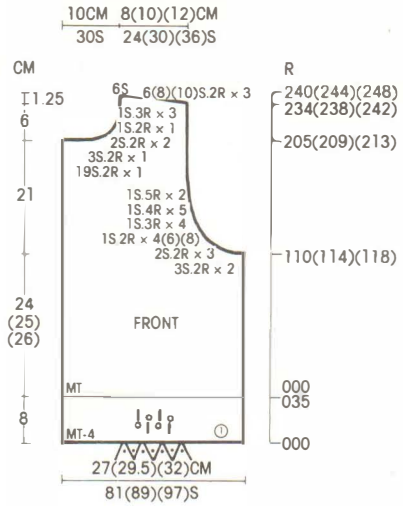
SIZES:
To fit 81-86(91-96)(101-106) cms/32-34(36-38)(40-42) inch bust.

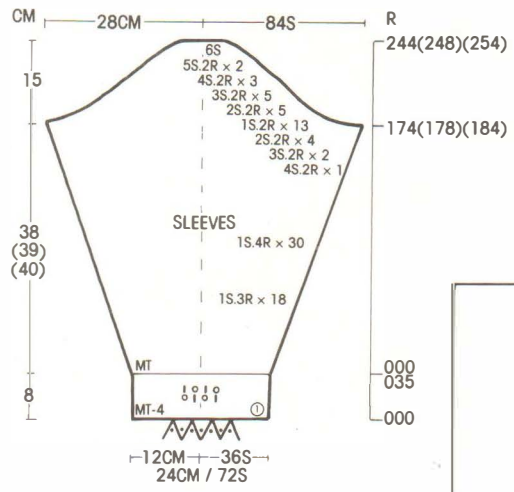
APPROXIMATE YARN TYPES AND AMOUNTS:
Knitmaster Blackjack
Col 1 (Cloud Blue) — 330(380)(430) grms
6 buttons.

TENSIONS:
Stockinet — 30 sts and 46 rows to 10 cms. TD at approx. 5 (MT)
1 × 1 Rib — 44 rows to 10 cms. TD's at approx. MT-4

PATTERN NOTE:
Stockinet





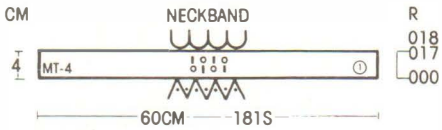


BACK:
Push 81(89)(97) Ns at left and right of centre 0 to WP. 162(178)(194) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1×1 rib. Using col 1, cast on. RC 000. MT-4, knit 35 rows. Transfer sts to knitter.
RC 000. MT. Knit 110(114)(118) rows.
Shape Armholes
Shape as shown on diagram. 108(120)(132) sts. Knit to Row 230(234)(238).
Shape Back Neck
Shape as shown on diagram to Row 234(238)(242).
Shape Shoulder
Shape as shown on diagram to Row 240(244)(248). Cast off rem 6 sts. Knit left part as for right part.

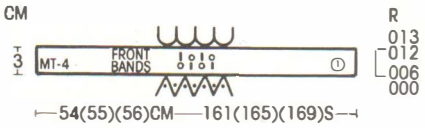
RIGHT FRONT:
Push 81(89)(97) Ns at right of centre 0 to WP. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib Using col 1, cast on. RC 000. MT-4, knit 35 rows. Transfer sts to knitter. RC 000. MT. Knit 110(114)(118) rows.
Shape Armhole
Shape as shown on diagram. 54(60)(66) sts. Knit to Row 205(209)(213).
Shape Neck
Shape as shown on diagram. Knit to Row 234(238)(242).
Shape Shoulder
Shape as shown on diagram to Row 240(244)(248). Cast off rem 6 sts

LEFT FRONT:
Knit as for Right Front but in reverse.

SLEEVES:
Push 36 Ns at left and right of centre 0 to WP. 72 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1× 1 rib. Using col 1, cast on. RC 000. MT-4, knit 35 rows. Transfer sts to knitter. RC 000. MT. Shape as shown on diagram. 168 sts. Knit to Row 174(178)(184).
Shape Top
Shape as shown on diagram to Row 244(248)(254). Cast off rem 12 sts.



Pattern 10



NECKBAND:
Arrange 181 Ns for 1 x 1 rib. Using col 1, cast on.RC 000. MT-4, Knit 1 7 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

BUTTONHOLE BAND
Arrange 161(165)(169) Ns for 1x1 rib. Using col 1, cast on. RC 000. MT-4, knit 6 rows. Make 6 evenly spaced buttonholes over 4 Ns. Knit 6 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

BUTTON BAND
Knit as for Buttonhole Band but omit buttonholes.

TO MAKE UP:
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves. Join side and sleeves seams. Backstitch neckband into pos, fold in half and catch down on the inside. Backstitch front bands into pos. Finish buttonholes and sew on buttons to correspond. Give final light steam.

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Pattern 11

GREEN TUCK STITCH SWEATER

This beautifully subtle shades of greens and browns in this space dyed yarn were the inspiration for this random tuck stitch design which has been based on clumps of moss. Our sweater was knitted on an electronic machine, but a 24 stitch version is also included. The plain side of the fabric has been used as the right side, but the purl side is also very attractive and 'moss-like'.

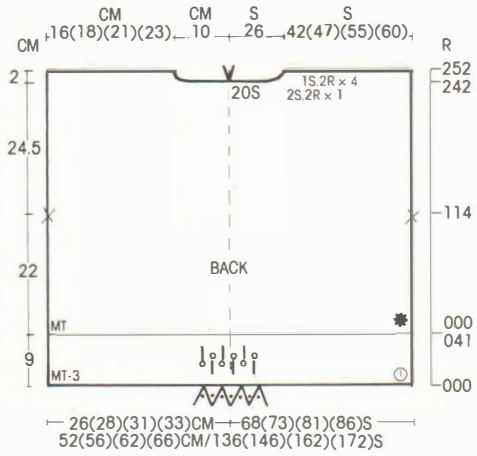
For Standard Gauge Punchcard & Electronic Machines with Ribbing Attachment.

SIZES:
To fit 81(86)(91)(96) cms/ 32(34)(36)(38) inch bust.

APPROXIMATE YARN TYPES AND AMOUNTS:
Pamela Wise 4ply Wool
Col 1 (shade 902) — 450(470)(500)(530) grms

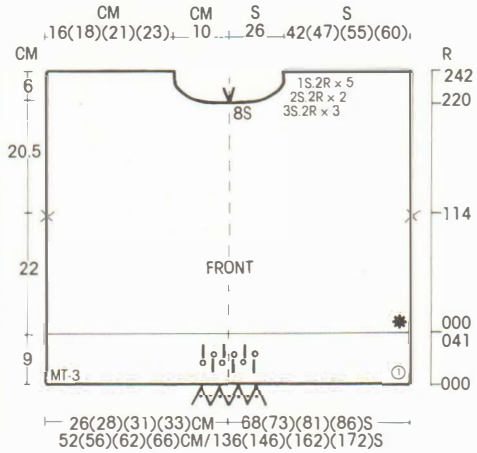
TENSIONS:
Tuck Stitch — 26 sts and 52 rows to 10 cms. TD at approx. 8 (MT)
1 × 1 Rib — 46 rows to 10 cms. TD's at approx. MT-3

PATTERN NOTE:
Tuck Stitch — see chart.



BACK:
Push 68(73)(81)(86) Ns at left and right of centre O to WP. 136(146)(162)(172) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-3, knit 41 rows. Transfer sts to knitter. RC 000. MT. Continue in tuck stitch pattern. Knit 114 rows. Mark both ends with waste yarn. Knit to Row 242.
Shape Back Neck
Note pos in pattern. Shape as shown on diagram to Row 252. Cast off rem 42(47)(55)(60) sts. Keeping pattern correct knit left part as for right part.

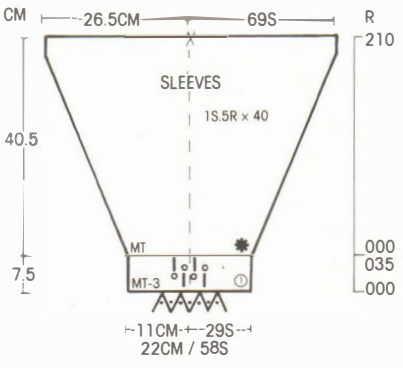
FRONT
Knit as for Back to Row 220.
Shape Neck
Note pos in pattern. Shape as shown on diagram. Knit to Row 252. Cast off rem 42(47)(55)(60) sts. Keeping pattern correct, knit left part as for right part.

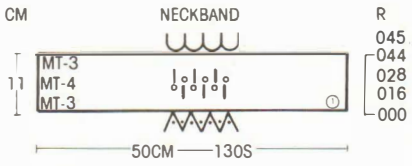


SLEEVES
Push 29 Ns at left and right of centre O to WP. 58 Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-3, knit 35 rows. Transfer sts to knitter. RC 000. MT. Continue to tuck stitch pattern and shape as shown on diagram. 138 sts. Knit to Row 210. Mark centre with waste yarn. Cast off.

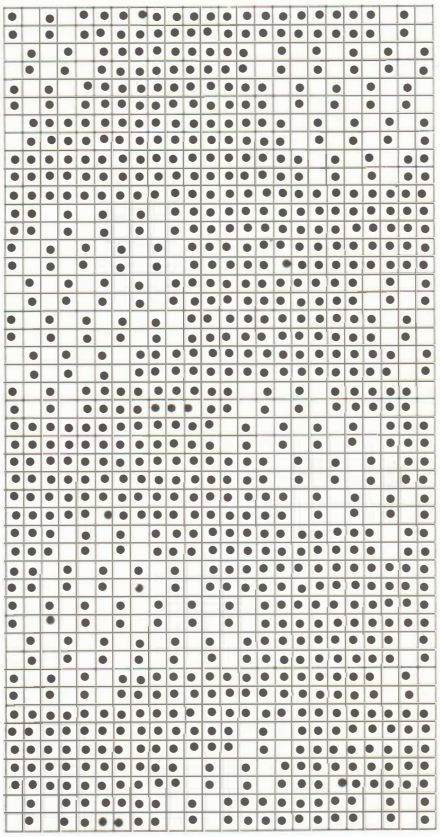
NECKBAND
Arrange 130 Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-3, knit to Row 16. MT-4, knit to Row 28. MT-3, knit to Row 44. Transfer sts to knitter. MT, knit 1 row. Cast off with waste yarn.

TO MAKE UP
Pin out to size and steam carefully. Join shoulder seams. Set in sleeves between marked points. Join side and sleeve seams. Backstitch neckband into pos and join centre back neck seam. Fold in half and catch down on the inside. Give final light steam.

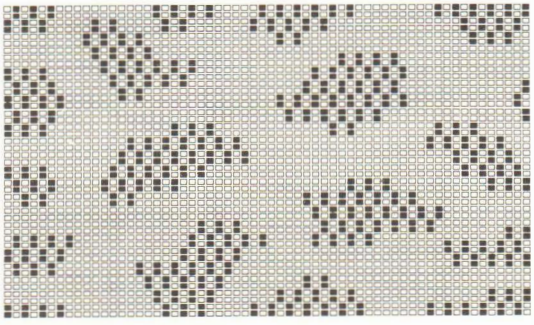




Punchcard Chart



Electronic Chart



Pattern 11

Pattern 12

ENGLISH FIRSTHAND
A COMMUNICATIVE APPROACH TO
DEVELOPING LANGUAGE SKILL
ENGLISH FIRSTHAND
Marc Helgesen
Thomas Mandeville
Robin Jordan
LINGUAL HOUSE

NAVY SWEATER WITH FAIR ISLE YOKE

This classic circular yoke sweater is bang in fashion at the moment and will remain a classic for years to come — so don't lose this pattern! If you've never knitted a circular yoke sweater before, you'll probably find the article on pages 10 and 11 reassuring — it's really not as difficult to knit a circular yoke sweater as you might think.

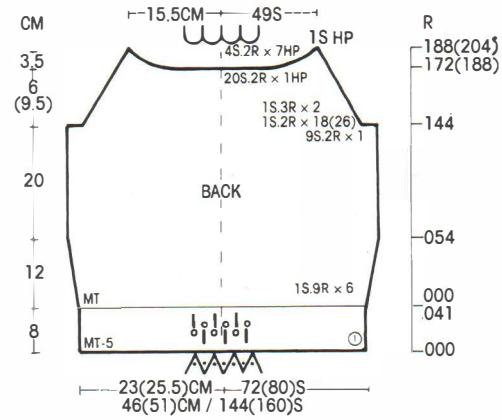
For Standard Gauge Punchcard & Electronic Machines with Ribbing Attachment.
We used a Knitmaster Zippy Plus

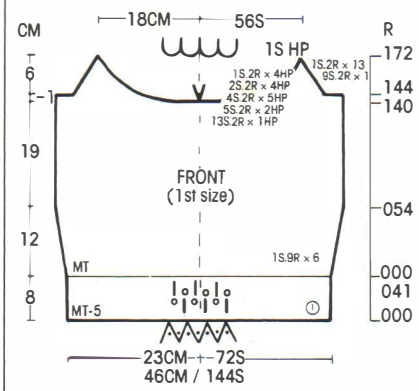
SIZES:
To fit 81-86(91-96) cms/
32-34(36-38) inch bust.

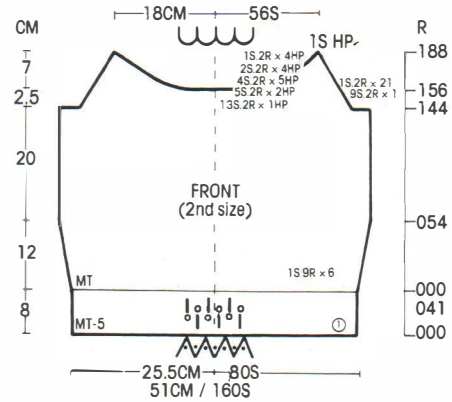
APPROXIMATE YARN TYPES AND AMOUNTS:
4ply
Col 1 (Navy Blue) — 360(400) grms
Col 2 (Grey) — 40 grms
Col 3 (White) — 35 grms

TENSIONS:
Stockinet — 31 sts and 45 rows to 10 cms. TD at approx. 6 (MT)
Fair Isle — 32 sts and 41 rows to 10 cms. TD at approx. MT+1
1 × 1 Rib — 50 rows to 10 cms. TD's at approx. MT-5

PATTERN NOTE:
Fair Isle — see punchcard chart.
Col 1 in feeder 1, Col 2 in feeder 2, knit 3 rows.
Col 1 in feeder 1 only, knit 1 row.
Col 1 in feeder 1, Col 3 in feeder 2, knit 8 rows.
Col 1 in feeder 1 only, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 12 rows.
Col 1 in feeder 1 only, knit 1 row.
Col 1 in feeder 1, Col 3 in feeder 2, knit 5 rows.
Col 1 in feeder 1 only, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 14 rows.
Col 1 in feeder 1 only, knit 1 row.
Col 1 in feeder 1, Col 3 in feeder 2, knit 5 rows.
Col 1 in feeder 1 only, knit 1 row.
Col 1 in feeder 1, Col 2 in feeder 2, knit 5 rows.
Col 1 in feeder 1 only, knit 1 row.
Col 1 in feeder 2 only, knit 1 row.
Col 1 in feeder 1, Col 3 in feeder 2, knit 2 rows.
Col 1 in feeder 1 only, knit 1 row.
Col 1 in feeder 1, Col 3 in feeder 2, knit 2 rows.
Col 1 in feeder 1 only, knit 1 row.



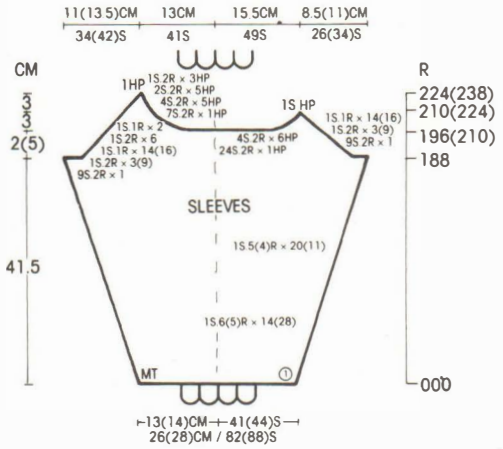


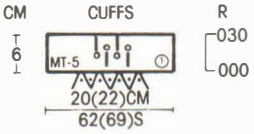


BACK:
Push 72(80) Ns at left and right of centre 0 to WP. 144(160) Ns altog. Push corresponding Ns on ribber to WP. Arrange Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 41 rows. Transfer sts to knitter. RC 000. MT. Shape as shown on diagram to Row 54. 156(172) sts. Knit to Row 144.
Shape Raglan Armholes
Shape as shown on diagram to Row 172(188).
Shape Back Neck
Mark centre with waste yarn. Set carr for partial knitting. Push Ns at left to HP. Continue to shape raglan edge as shown on diagram, AT THE SAME TIME push Ns shown on diagram to HP to Row 188(204). Push rem N to HP. Break yarn. Take carr to left. Bring Ns at left back to WP. Knit left part as for right part. Push all Ns to UWP. Knit 1 row Col 1. Cast off with waste yarn.

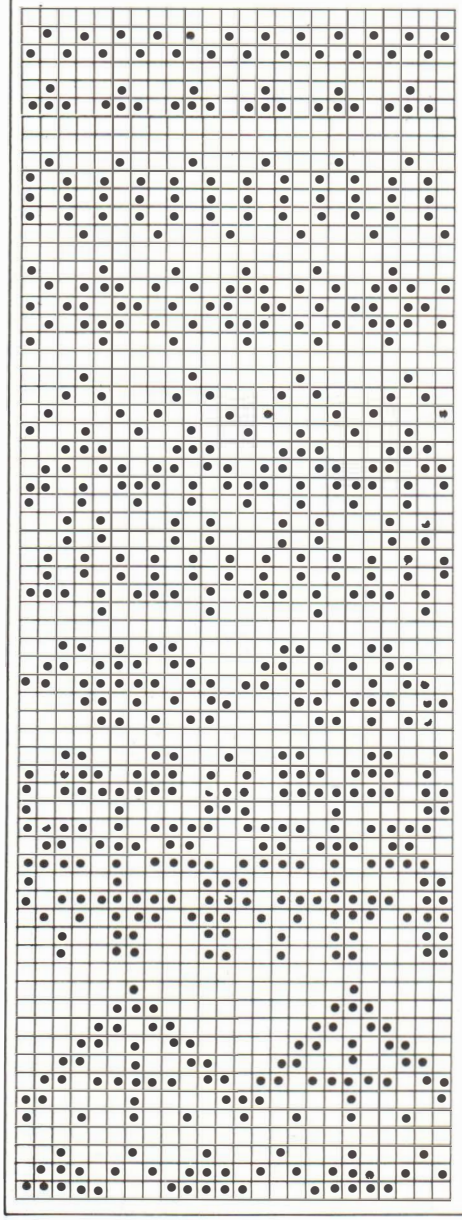
FRONT:
Knit as for Back to Row 140(144).
1st Size
Shape Neck
Mark centre with waste yarn. Set carr for partial knitting. Push Ns at left to HP. Push Ns shown on diagram to HP to Row 144.
Shape Raglan Armhole
Continue to shape neck edge as shown on diagram, AT THE SAME TIME, shape raglan edge as shown on diagram to Row 172. Push rem N to HP. Break yarn.
2nd Size
Shape Raglan Armholes
Shape as shown on diagram to Row 156.
Shape Neck
Mark centre with waste yarn. Set carr for partial knitting. Push Ns at left to HP. Continue to shape raglan edge as shown on diagram, AT THE SAME TIME push Ns shown on diagram to HP to Row 188. Push rem N to HP. Break yarn.
Both Sizes
Take carr to left. Bring Ns at left back to WP. Knit left part as for right part. Push all Ns to UWP. Knit 1 row col 1. Cast off with waste yarn.

Continued overleaf





Punchcard Chart



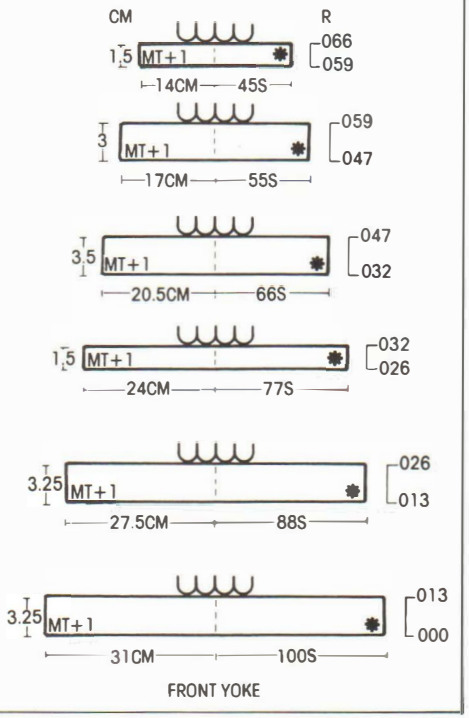
LEFT SLEEVE:
Push 41(44) Ns at left and right of centre 0 to WP. 82(88) Ns altog. Using waste yarn cast on ending with carr at right. RC 000. MT. Using col 1, shape as shown on diagram to Row 188. 150(166) sts.
Shape Roglan Top
Shape as shown on diagram to Row 196(210).
Shape Neck
Mark centre with waste yarn. Set carr for partial knitting. Push Ns at left to HP. Continue to shape raglan edge as shown on diagram, AT THE SAME TIME push Ns shown on diogram to HP to Row 210(224). Push rem N to HP. Break yarn. Take carr to left. Bring Ns at left back to WP. Continue to shape roglan edge as shown on diogrom, AT THE SAME TIME push Ns shown on diogram to HP to Row 224(238). Push all Ns to UWP. Knit 1 row col 1. Cast off with waste yarn.

RIGHT SLEEVE:
Knit as for Left Sleeve but in reverse.

CUFFS:
Arrange 62(69) Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 30 rows. Transfer sts to knitter. With wrong side of Sleeve facing, pick up sts from below waste yam and place onto Ns gathering evenly. Knit 1 row MT. Cast off.

YOKE:
Push 85 Ns at left and right of centre 0 to WP. 170 Ns altog. With wrong side of Back facing, pick up 98 sts from below waste yam and place onto centre 90 Ns, decreasing 1 st at each end and 6 sts evenly across back. With wrong side of sleeves facing, pick up 41 sts up to marked point and place onto 40 Ns at each side of Bock, decreasing 1 st at edge. *RC 000. MT+1. Continue in Fair Isle Pattern, knit 13 rows. Lock card. Set carr for stockinet. Cast off with waste yam*.
Push 100 Ns at left and right of centre 0 to WP. 200 Ns altog. With wrong side of Front facing, pick up 112 sts from below waste yam and place onto centre 104 Ns, decreasing 1 st at each end and 6 sts evenly across front. With wrong side of Sleeves facing, pick up 49 sts up to marked point and place onto 48 Ns at each side of Front, decreasing 1 st at edge. Knit as given from *to*.
Push 72 Ns at left and right of centre 0 to WP. 144 Ns altog. With wrong side facing, pick up sts below waste yam on back piece and place onto Ns gathering evenly. **Reset RC to 13. Release card. Set carr for Fair Isle. Continue in Fair Isle Pattern, knit 13 rows. Lock card. Set carr for stockinet. Cast off with waste yam**.
Push 88 Ns at left and right of centre 0 to WP. 176 Ns altog. With wrong side facing, pick up sts from below waste yam on front piece and place onto Ns gathering evenly. Knit as given from **to**.
Push 61 Ns at left and right of centre 0 to WP. 122 Ns altog. With wrong side facing, pick up sts below waste yam on bock piece and place onto Ns gathering evenly. ***Reset RC to 26. Release card. Set carr for Fair Isle. Continue in Fair Isle Pattern, knit 6 rows. Lock card. Set carr for stockinet. Cast off with waste yam***.
Push 77 Ns at left and right of centre 0 to WP. 154 Ns altog. With wrong side facing, pick up sts from below waste yam on front piece and place onto Ns gathering evenly. Knit as given from ***to***.
Push 50 Ns at left and right of centre 0 to WP. 100 Ns altog. With wrong side facing, pick up sts below waste yam on back piece and place onto Ns gathering evenly. ****Reset RC to 32. Release card. Set carr for Fair Isle. Continue in Fair Isle Pattern, knit 15 rows. Lock card. Set carr for stockinet. Cast off with waste yam****.
Push 66 Ns at left and right of centre 0 to WP. 132 Ns altog. With wrong side facing, pick up sts from below waste yam on front piece and place onto Ns gathering evenly. Knit as given from ****to****.

Continued on page 62



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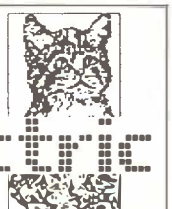

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KNITMASTER 370 fine-knit machine, ribber, lace carriage, accessories, immaculate, £395; Knitmaster 155 chunky, punchcard, little used, complete, boxed, £295. Tel: (0273) 461998 (Shoreham).

BROTHER Chunky 230 with ribber, excellent condition, £250 or swap for 260 chunky with ribber or 155 Knitmaster with ribber. Will pay the difference. Tel: Leeds 824232.

KNITMASTER garter bar, £25 + p&p; Mary Weaver technology, £6; Mary Weaver skirt book, £6; Vanesse Keegan machine knitting, £6; Traditional fair isle knitting, £6; Life styles fashion, £5; WANTED Simple frame R120. Tel: (0895) 445487 (Cowley).

FOR SALE Bond Classic with ribber, video tape, instruction books, row counter, wool grabbers and bed extension and table, £120, excellent condition. Tel: (0639) 898605 (Port Talbot).

TOYOTA ribber, tilt table, knit tracer, lace intarsia, transfer carriages, numerous accessories, new cond, £500; Toyota overlocking machine, three thread, unused, boxed, £195. Tel: Penzance 68313.

KNITMASTER 150 chunky with pattern selector (unused), instruction books and all tools, immaculate, £175 ovno. Tel: (0787) 277727 (Clare).

BROTHER 950i + KG93 garter carriage, £950, will sell separately; Knitmaster 160 punchcard machine, £100. Tel: (0793) 536124 (Swindon).

PASSAP Duo 80, deco, instruction books, patterns, £300; Bond machine, extension, yarn grabbers, pattern books, instructions, £50. Tel: (076687) 594 (Gwynedd).

KNITMASTER 500 ribber, radar, rib transfer carriage, linker, intarsia carriage, 5 sets printed cards, 6 packs assorted patterns, £600 ono. Tel: (044486) 478 (Scaynes Hill, W Sussex).

BROTHER KH881, £250; KH910 Electronic, £300; KH710, £100; Ribbers for the above, £120; Simple frame 120, £60. Selling up — got 950 electronic! Tel: (0924) 378621 (Wakefield).

PASSAP Duo 80, 4-colour changer + deco, £450; Electra heavy duty motor, £450; Simple frame 96 with video, £35; SC1 linker, £15 (Knitmaster); WANTED Passap 6000. Tel: (0625) 828847 (Macclesfield).

PFAFF Duo 80, 4-colour changer, Deco cards, punch, £375. Tel: (0272) 562488 (Bristol).

FOR SALE

KNITMASTER KL360, lace carriage, ribber, table, colour changer, £400; SK500, ribber table, RT1, £450; Form computer, £70; Electric cone winder, £45; Intarsia AG20, £15. Tel: (0283) 212632 (Burton-on-Trent).

KNITMASTER ribber SRP 60 for 600, 700 and Zippy Plus, £150. Tel: (0535) 669739 (W Yorks).

BROTHER 881, built-in knitleader, lace carriage, table, woolwinder, tools, manual, £250. Tel: (0522) 680757 (Lincoln).

KNITMASTER 360KL + ribber, manuals etc, £300. WANTED: knitting cabinet and bench. Tel: Bradford 393472.

KNITMASTER 700KL, ribber, knitradar, lace carriage, punchcards, wool etc, excellent condition, (goingelectronic), £475. Tel: (0970 84) 435 (Dyfed).

KNITMASTER fine gauge 370KL, lace carriage, punchcards, wool etc, used once, space needed, £275. Tel: (0970 84) 435 (Dyfed).

BROTHER KH881, knitleader, lace carriage, automatic punchcard, excellent condition, £250. Tel: (0533) 705542 (Leicester).

KNITMASTER 260 with ribber SRP50, original owner, used as hobby, intarsia and yarn break for 7-colours, both unused, £295 or sold separately. Tel: (031) 667 2476 (Edinburgh).

JONES 881, punchcard, knitleader, lace carriage, excellent condition, £250; Jones chunky 230, unused, £150. Tel: (0270) 768472 (Cheshire).

BROTHER 891 + knitleader, lace carriage, punchcards, punch, pattern books, excellent condition, as new, one year old only, going electronic. Tel: (0734) 345827 after 6pm (Reading).

BROTHER 881, £300; KG88 garter carriage, £180; Intarsia carriage, £25. All as new. Knitmaster 360, ribber, lace carriage, £400; Intarsia carriage, £18; YC6, £90; Transfer carriage, £45; Linker, £45; 2-way mast, £13. Going electronic. Tel: (0734) 421384 (Reading).

KNITMASTER ribber SRP50, £150. Tel: (0477) 37286 (Crewe).

BROTHER 881 punchcard machine, built-in knitleader, lace carriage etc, vgc, £195; also Knitmaster 503 basic machine, ideal for intarsia, suits etc, £50. Tel: (0202) 883531 (Wimborne).

KNITMASTER 360 with ribber and new, unused intarsia carriage, (no lace carriage), £320. Tel: (0623) 860111 (N Notts).

KNITMASTER 700, SRP50 ribber, lace carriage, YC6, colour changer, instruction books and patterns, £525; Knitmaster 302, pattern cards and instruction book, £50. Both excellent condition. Tel: (0635) 297917 (Newbury).

BROTHER KH891, lace carriage, knitleader, punchcards, table, used twice, £275. Tel: (0705) 413316 (Hants).

KNITMASTER 560 electronic, lace carriage, knitradar, tuition tapes, extra mylar sheets, £400 ono; YC6 colour changer, £85; Weaving arm, £45; Linker, £30; Intarsia carriage, £15. Tel: (0642) 786843 (Cleveland).

KNITMASTER 155 punchcard chunky knitting machine, used twice, £250; Knitmaster 560 electronic with lace carriage and ribber, £550; Knitradar KR6, £35; SC1 linker, £15; instructions. Tel: (041) 647 1862 (Glasgow).

KNITMASTER 550 electronic and lace carriage, £450; SRP50 ribber, £150; YC6 colour changer, £90; AG20 intarsia carriage, £15; or £650 the lot. Tel: (051) 334 5018 (Wirral).

BROTHER KH890 punchcard machine with lace carriage, excellent condition, also punch and extra cards, £240. Tel: (0676) 34152 (West Midlands).

HAGUE linker, hand operated, two spare needles, excellent condition, boxed, £140 ovno. Tel: (04024) 53658 (Upminster).

JONES 588 knitting machine, lace carriage, knitleader, does tuck, slip, lace, tools and manual, push button selection, also knitting pattern, manual, vgc, £95 complete. Tel: (0235) 32002 (ring pm) (Abingdon).

KNITMASTER Zippy plus with lace carriage, as new, £290. Tel: Crewkerne 76831 (Somerset).

KNITMASTER 700KL, £475; SRP60N ribber, £175; YC6 changer, £100; Weaving arm, £40; Power knit drive unit (motor, table, countdown) for Knitmaster or Brother, £400. Tel: (01) 300 4209 (Sidcup).

BOND knitting machine with extension needle bed, video tape, instruction books and patterns, £65 ono. Tel: (021) 743 5082 (Birmingham).

KNITMASTER 360L, built-in knitradar, all tools and manuals, lace carriage, still boxed, extra tension mast, punchcards, excellent condition, lessons if required, £310. Tel: Swanley 62292 (Kent).

PASSAP 6000 electronic with electra 3000A motor countdown, stand, transfer lock + extras, excellent condition, £1,550. Tel: (0295) 738227 (Banbury).

CHUNKY Singer designer two (big nine) + ribbing attachment and video tuition tape, £150 (unused), in box. Tel: (0757) 705719 (N Yorks).

FOR SALE

KNITMASTER 560 electronic with lace carriage and built-in knitradar, £450. Tel: (0903) 68431 (Worthing).

TOYOTA KS901 ribber, knitracer, intarsia lace and transfer carriages, plaiting unit, colour changer, all in Keyto cabinet, £525. Tel: (0708) 852548 evenings (Essex).

BROTHER KH230 chunky knitting machine, as new, still boxed, £130. Tel: (0903) 46024 (Worthing).

JONES 840 double bed colour changer, £80 ono. Take an early spring holiday in glorious Devon. Bed and breakfast and knitting chatter. 5 mins from sea and countryside, £8.50. Tel: (0271) 67071 (Ilfracombe).

KNITMASTER 155 chunky punchcard machine, vgc, £250. Tel: (0392) 76137 (Exeter).

BROTHER KH890, as new, punchcard, lace carriage, punch, cards, instruction book, £300 ono, unwanted gift. Tel: (0727) 23382 (St Albans).

BROTHER 881 knitting machine and 830 ribber complete with lace carriage, punchcards, instruction books etc, excellent condition, £325. Tel: (04853) 33278 (Hunstanton, Norfolk).

TOYOTA KS950 + ribber, colour changer and intarsia carriage, 8 months old, £600 ono, will split. Tel: (0225) 760883 (Trowbridge).

KNITMASTER A-Z machine knitting, as new, £25; Step by step charting design, as new, £25; SC1 linker, £25. Tel: Bristol 838606.

PFAFF Duomatic 80 double bed knitting machine, has 4-colour change, deco and punchcards, two years old, excellent condition, £500. Tel: (0532) 644544 (Leeds).

BROTHER KG88 Mk2 garter carriage for sale, £175 ono. Good condition, owner upgraded to electronic machine being reason for sale. Tel: (0273) 739807 (Brighton).

TOYOTA KS858, punchcard, lace carriage, table, as new condition, £150. Tel: Cosham 325910 (Fareham).

SUPERBA S48 electronic knitting machine, motor driven, complete tuition tapes, garter transfer carriage, computer patterns course, books, table, perfect condition, £500 ono. Tel: (0252) 615424 (Fleet).

TOYOTA K33 tracer, £20 ono; Toyota intarsia carriage, £5. Tel: (0473) 222153 (Ipswich).

KNITMASTER 321 punchcard, good condition, £80 ono. Tel: (0329) 46009 (Titchfield, Hants).

BROTHER KH836 punchcard machine, £180; Lace carriage, £30, both as new. Tel: (08012) 2451 (Northants).

BARGAIN New Knitmaster 270 fine gauge with punchcards and instruction books, lovely machine. Tel: (0706) 68423 (Heywood).

KNITMASTER 120 chunky with table, £82. Tel: (0202) 895613 (Boumemouth).

BROTHER KH710 with lace carriage, knits fair isle, tuck, intarsia + instruction manual, £100 ono; also knitting machine table, £12. Tel: (021) 443 5273 (Birmingham).

BROTHER 891, knitleader, lace carriage etc, immac condition, 9 months old, £280. Tel: (0622) 762502 (Maidstone).

KNITMASTER YC5 colour changer (4-colour) with 4-colour branch tension arm unit, new unopened package, (unwanted present), £50; Brother KA831 0 linker (new) for casting off, £39. Tel: Oxford 511057.

KNITMASTER 700KL masterglide incorporates radar and intarsia, one action lace carriage also SRP60 ribber, all in mint condition, £490. Tel: (061) 620 7619 (Oldham area).

BROTHER 881 punchcard machine, lace carriage, manuals, magazines, extra punchcards, excellent condition, £225. Tel: (061) 620 7619 (Oldham area).

BROTHER KH836, hardly used, £200 ono; Knitmaster 360KL ribber, SRP50 lace carriage, intarsia carriage, built-in radar, table, instruction manuals, £400. Tel: (0705) 699688 evenings (Portsmouth).

KNIT copy unit (KC37), hardly used, £45; also wanted any old unwanted machine knitting magazines for charity work. Angela Dickson, 27 Laurel Bank, Castle Douglas, Scotland.

KNITMASTER 150 chunky knitting machine, good working condition, £100. Tel: (0256) 83557 (Basingstoke).

PASSAP Duo 80, 4-colour + deco, form, U80 form computer, all as new, £450 ono. Tel: (0264) 50758 (Hants).

JONES 260 chunky, punchcard plus ribber and knitleader, £450 ono, as new. Tel: (0264) 50758 (Hants).

KNITMASTER 250, knits 4ply and double knit + pattern selector, £50. Tel: (0264) 50758 (Hants).

TOYOTA 901, as new with knitleader, stand, extra punchcards, Knitmaster 150 chunky machine with ribber + table. Both machines as new, offers please. Tel: (0752) 345537 (Plymouth).

TOYOTA KS858, KR506 ribber, cast-off linker, intarsia carriage, transfer carriage, punchcards, lace carriage, vgc, £300 ono the lot or will split. Tel: (0727) 54719 (St Albans).

KNITMASTER 329, good working order, manual, punchcards and single motif etc,

Classified

FOR SALE

£140 ovno. Tel: Bristol 569169 after 6pm please.

BROTHER KH840 knitting machine, single motif, intarsia, lace carriage, punchcards, all accessories, as new £260 (negotiable). Tel: (0252) 835293 (Surrey).

WANTED

EXPERIENCED machine knitters with Brother machine + ribber wanted by knitwear designer. London postal area. Tel: (01) 960 2195 office hours. Evenings ansaphone (01) 968 6224.

WANTED any punchcards to use with Singer Magic Memory KE1200. Willing to pay for postage, photocopying etc. Tel: (0202) 605131 (Poole).

WANTED instruction book for Knitmaster HK160. Tel: (0772) 719255 (Preston).

WANTED Brother ribber. Tel: Joe (0462) 712260 eve or (0767) 40124 (Nr Letchworth, Herts).

WANTED Jones KL116 knitleader + garter carriage for 860 or will swap for Hague linker. Tel: (0535) 680157 (Keighley).

WANTED Knitradar and intarsia carriage for Knitmaster Zippy DeLuxe, must be in good condition. Tel: (0773)863028 (Derbyshire).

WANTED Brother KH836 extension rails to assist in knitting large 50" chest sweaters. Tel: (01) 746 0376 (London).

LADY needs outlet for her knitting. Very good standard of work, very reasonable prices, shop or personal buyer. Pure new wool knitwear. Further details tel: (0900) 604759 (Cumbria).

WANTED intarsia carriage for Knitmaster 120 chunky in good condition. Cash waiting. Tel: (061) 881 6081 (Manchester).

WANTED Knitmaster YC6 colour changer, must be in vgc, any reasonable price considererd. Tel: (0495) 214534 (Gwent).

DESPERATELY wanted Lecle stitch pattern book for 18 stitch machine. Please tel: Derby 883375.

SWAP

SELL/EXCHANGE Knitmaster Electronic SK560 (£500); SRP50 ribber (£150); for Passap Duomatic 80 with motor or exchange machine for motor. Tel: (0258) 880926 (Dorset).

EXCHANGE Knitmaster 150 chunky with ribber, excellent condition for Brother 230 and ribber, must be good condition — reason other machines/accessories Brother. Tel: (0473) 328875 (Ipswich).

EXCHANGE Singer 2310, motor driven, intarsia carriage, extra yarn, mast, tuition tapes and magazines, recently overhauled by Singer, for Brother 950-950ielectronic. Cash adjustment. Tel: Peterborough 65526.

EXCHANGE Pfaff Swiss knitter and table, ideal basic machine, vgc, for a ribber transfer carriage to fit Knitmaster ribber. Tel: (0302) 835225 (Doncaster).

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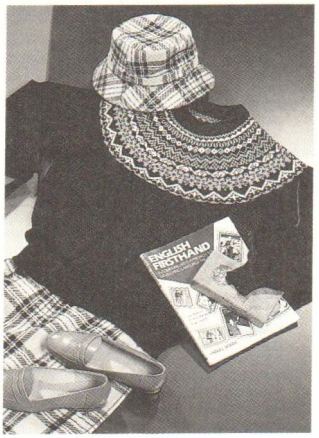
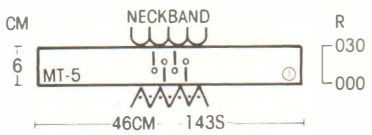
Pattern 12 *continued*





Push 39 Ns at left and right of centre O to WP. 78 Ns altog. With wrong side facing, pick up sts below waste yarn on back piece and place onto Ns gathering evenly. *****Reset RC to 47. Release card. Set carr for Fair Isle. Continue in Fair Isle Pattern, knit 12 rows. Lock card. Set carr for stockinet. Cast off with waste yarn*****.

Push 55 Ns at left and right of centre O to WP. 110 Ns altog. With wrong side facing, pick up sts from below waste yarn on front piece and place onto Ns gathering evenly. Knit as given from *****to*****.

Push 29 Ns at left and right of centre O to WP. 58 Ns altog. With wrong side facing, pick up sts below waste yarn on back piece and place onto Ns gathering evenly. ******Reset RC to 59. Release card. Set carr for Fair Isle. Continue in Fair Isle Pattern, knit 7 rows. Set carr for stockinet. Cast off with waste yarn******.

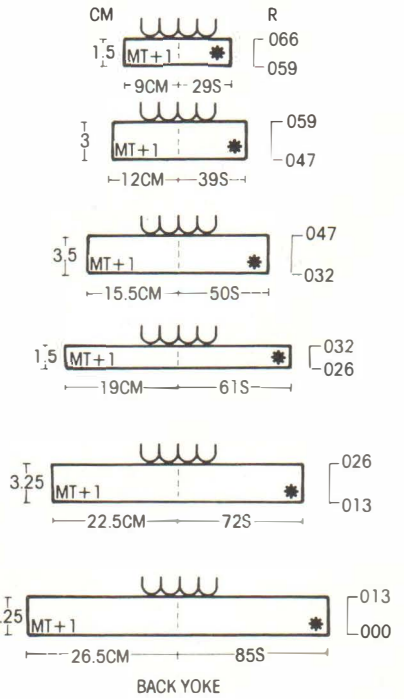
Push 45 Ns at left and right of centre O to WP. 90 Ns altog. With wrong side facing, pick up sts from below waste yarn on front piece and place onto Ns gathering evenly. Knit as given from ******to******

NECKBAND:

Arrange 143 Ns for 1 × 1 rib. Using col 1, cast on. RC 000. MT-5, knit 30 rows. Transfer sts to knitter. Knit 1 row MT. Cast off with waste yarn.

TO MAKE UP:

Pin out to size and steam carefully. Join raglan, yoke, side and sleeve seams. Graft neckband to top of yoke and join centre back neck seam, fold in half and catch down on inside. Give final light steam.

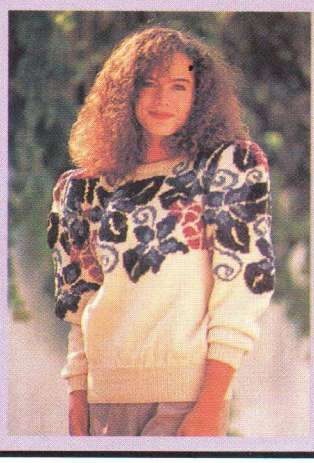


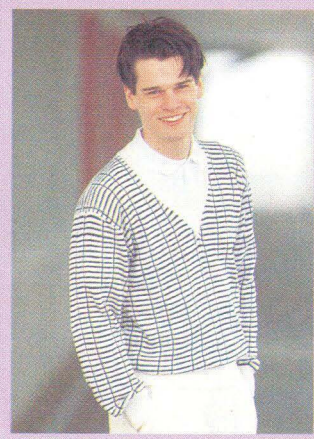
Modern Machine Knitting

COMING NEXT MONTH

A CHUNKY ELECTRONIC!

Next month we bring you all the information on the very latest, exciting new knitting machine — the revolutionary new Chunky Electronic from Knitmaster. Find out about it first in the April issue of Modern Machine Knitting.





WIN THE CHUNKY ELECTRONIC

In our April issue we're going to give you the chance to win the exciting new Knitmaster Chunky Electronic — don't miss this chance to be one of the very first knitters to own this revolutionary new machine.

PLUS

All our regular features, hints, tips, techniques and advice — and lots more beautiful designs and patterns for the whole family.

The April issue of Modern Machine Knitting will be in your shops on March 8th. Make sure you don't miss it.

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DesignMaster Electronic

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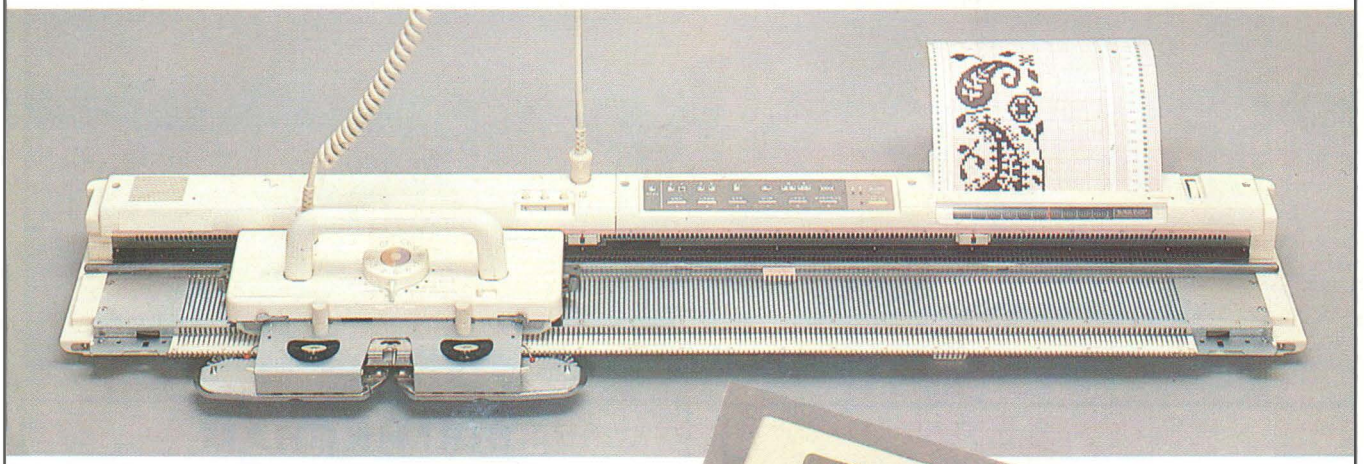

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